



DEPARTMENT OF ENVIRONMENTAL QUALITY

KATHLEEN BABINEAUX BLANCO

GOVERNOR

MIKE D. McDANIEL, Ph.D.

SECRETARY

Certified Mail No.

Activity No.: PER20050002

Agency Interest No. 328

Mr. F. Michael Craft
Mill Manager
International Paper
P.O. Box 999
Mansfield, Louisiana 71052

RE: Part 70 Operating Permit, Mansfield Mill
International Paper Company, Mansfield, DeSoto Parish, Louisiana

Dear Mr. Craft:

This is to inform you that the permit modification for the above referenced facility has been approved under LAC 33:III.501. The permit is both a state preconstruction and Part 70 Operating Permit. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Operation of this facility is hereby authorized under the terms and conditions of this permit. This authorization shall expire at midnight on the 22 of July, 2009, unless a timely and complete renewal application has been submitted six months prior to expiration. Terms and conditions of this permit shall remain in effect until such time as the permitting authority takes final action on the application for permit renewal. The permit number and agency interest number cited above should be referenced in future correspondence regarding this facility.

Done this _____ day of _____, 2006.

Permit No.: 0760-00006-V7

Sincerely,

Chuck Carr Brown Ph.D.
Assistant Secretary
CCB:dcd
c: EPA Region VI

ENVIRONMENTAL SERVICES

: PO BOX 4313, BATON ROUGE, LA 70821-4313

P:225-219-3181 F:225-219-3309

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PUBLIC NOTICE
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY (LDEQ)
INTERNATIONAL PAPER - MANSFIELD MILL
PROPOSED PART 70 AIR OPERATING PERMIT MAJOR MODIFICATION

The LDEQ, Office of Environmental Services, is accepting written comments on the Part 70 air operating permit major modification for International Paper Corporation, 1202 Hwy 509, Mansfield, LA 71052 for the Mansfield Mill. The facility is located at 1202 Hwy 509, Mansfield, Desoto Parish.

International Paper Company owns and operates a kraft pulp and paper mill near the city of Mansfield. The mill currently operates under Permit No. 0760-00006-V6 dated July 22, 2004.

International Paper Company requested:

- Incorporate a specific condition detailing all of the approved fuels for the No. 1 and No. 2 Power Boilers (EQT 5 and EQT 35, respectively).
- Seek clarification of the vent allowances for the purposes of reporting excess emissions of LVHC gases and HVLC gases in accordance with 40 CFR 63 Subpart S.
- Add a new fire water pump (EQT 186) as an emissions source.
- Replace-in-kind the No. 1 Recover Boiler Blend Tank, No. 2 Recover Boiler Blend Tank, and the Wet Crude Oil Tank.
- Incorporate a clarification of the NOx limit during low-load operations for the Gas Turbine/HRSG Stack (EQT 7). This clarification was previously approved and was included in Permit No. PSD-LA-93(M-7).
- Seek an equivalency determination showing that compliance with the monitoring, testing, and recordkeeping requirements of 40 CFR 63 Subpart S will satisfy certain conditions of LAC 33:III.2115.
- Incorporate a consolidation of monitoring, recordkeeping, and reporting requirements of 40 CFR 60 Subpart BB requirements with the more stringent 40 CFR 63 Subpart MM requirements for the Lime Kiln (EQT 6), the No. 1 Smelt Dissolving Tank (EQT 15), and the No. 2 Smelt Dissolving Tank (EQT 38). This consolidation was previously approved by letter dated January 13, 2005, by the Environmental Protection Agency.
- Revise the calculation method used to determine emissions for the Coal Storage/Handling (FUG 1) to more accurately reflect operations at this facility.
- Revise the calculation method used to determine emission for the Wastewater Treatment system (EQT 13) to reflect new site-specific test data and updated literature.
- Revise the current Compliance Assurance Monitoring (CAM) requirements for the Lime Slaker (EQT 14) to reflect a planned change from an induced draft venturi scrubber to a natural draft venturi scrubber.

Estimated emissions in tons per year are as follows:

<u>Pollutant</u>	<u>Before</u>	<u>After</u>	<u>Change</u>
PM ₁₀ ²	1409.00	1392.05	- 16.95
SO ₂	8859.80	8859.84	+ 0.04
NO _x	6229.00	6228.37	- 0.63
CO	9271.90	9270.47	- 1.43
VOC ¹	4767.10	5175.84	+ 408.74*

¹ Toxic VOC included in Totals	2792.9	3190.39	+ 397.49*
² Toxic Non-VOC Compounds	1146.7	1094.21	- 52.49
*The emissions increase is due to a change in the method of emissions estimation and it does not reflect an actual change in emissions.			

Written comments, written requests for a public hearing, or written requests for notification of the final decision regarding this permit action may be submitted to Ms. Soumaya Ghosn at LDEQ, Public Participation Group, P.O. Box 4313, Baton Rouge, LA 70821-4313. **Written comments and/or written requests must be received by 12:30 p.m., Monday, March 27, 2006.** Written comments will be considered prior to a final permit decision.

If LDEQ finds a significant degree of public interest, a public hearing will be held. LDEQ will send notification of the final permit decision to the applicant and to each person who has submitted written comments or a written request for notification of the final decision.

The permit application, proposed Part 70 air operating permit major modification and statement of basis are available for review at the LDEQ, Public Records Center, Room 127, 602 North 5th Street, Baton Rouge, LA. Viewing hours are from 8:00 a.m. to 4:30 p.m., Monday through Friday (except holidays). Additional copies may be reviewed at DeSoto Parish Library, Headquarters, 109 Crosby Street, Mansfield, LA 71052-2612.

Inquiries or requests for additional information regarding this permit action should be directed to Dustin Duhon, LDEQ, Air Permits Division, P.O. Box 4313, Baton Rouge, LA 70821-4313, phone (225) 219-3057.

Persons wishing to be included on the LDEQ permit public notice mailing list or for other public participation related questions should contact the Public Participation Group in writing at LDEQ, P.O. Box 4313, Baton Rouge, LA 70821-4313, by email at maillistrequest@ldeq.org or contact the LDEQ Customer Service Center at (225) 219-LDEQ (219-5337).

Permit public notices including electronic access to the proposed permit and statement of basis can be viewed at the LDEQ permits public notice webpage at www.deq.state.la.us/news/PubNotice/ and general information related to the public participation in permitting activities can be viewed at www.deq.louisiana.gov/portal/tabid/2198/Default.aspx.

Alternatively, individuals may elect to receive the permit public notices via email by subscribing to the LDEQ permits public notice List Server at http://www.state.la.us/ldbc/listservpage/ldeq_pn_listserv.htm.

All correspondence should specify AI Number 328, Permit Number 0760-00006-V7, and Activity Number PER20050002.

Publication Date: February 23, 2006

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

MANSFIELD MILL
AGENCY INTEREST NO.: 328
INTERNATIONAL PAPER COMPANY
MANSFIELD, DESOTO PARISH, LOUISIANA

I. Background

International Paper Company (IP) owns and operates a kraft pulp and paper mill near the city of Mansfield, Louisiana, in DeSoto Parish. The mill currently operates under Permit Nos. 0760-00006-V6 and PSD-LA-93(M-7), both dated July 22, 2004.

This is the Part 70 operating permit for the facility.

II. Origin

A permit application and Emission Inventory Questionnaire were submitted by International Paper Company on May 12, 2005, requesting a Part 70 operating permit. Additional information dated October 20, 2005, was also received.

III. Description

Production activities at the Mansfield Mill include pulp production (SICC 2611) and linerboard production (SICC 2631). Primary operations at the mill include multiple fuel-fired boilers (power), wood pulping, chemical recovery, causticizing and lime recovery, a recycle area (de-inking), papermaking, and additional operations and equipment necessary to support these activities.

Power Operations

The Mansfield Mill currently produces all of the steam used by mill processes and includes five steam and/or power generating units and associated processes and equipment. Two power boilers, capable of firing multiple fuels, provide steam for mill production processes and power generation. Two recovery boilers, firing primarily black liquor, and a natural gas-fired stationary combustion turbine also provide steam for mill production processes and power generation. The turbine is equipped with a heat recovery steam generator (HRSG) duct burner, which generates steam from the turbine exhaust gases. Two package boilers can be rented for temporary backup to the steam generating units at the mill. Electricity is generated from three steam turbines and the gas turbine.

Fuels combusted in the Mansfield Mill steam and power generating units include fossil fuels, biomass fuels, and waste fuels (including tire derived fuel, or TDF). Fuels are generated on-site, delivered by truck or rail and stored on-site, or delivered by pipeline. Fuel storage operations include fuel oil (Nos. 2, 4, and 6 fuel oils, distillate grades, used or specification oil, and other petroleum mineral spirits) and gasoline storage and dispensing. Two No. 6 fuel oil storage tanks and two No. 2 fuel oil tanks comprise the majority of fossil fuel storage capacity at the facility.

No. 6 fuel oil can be fired in the power boilers, recovery furnaces, and the Lime Kiln; and No. 2 fuel oil can be burned in the power boilers, recovery furnaces, the Lime Kiln, and several stationary internal combustion (IC) engines. Other grades of fuel (i.e., No. 4, distillate, used, on-spec, or other petroleum mineral spirits) are combined with the Nos. 2 or

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6 fuel oils in the existing storage tanks. Gasoline is stored at the facility for use in mobile equipment and stationary IC engines. Currently, eleven stationary IC engines (1 gasoline-fired and 10 diesel-fired) provide backup power generation capacity during power outages or other emergencies.

The Nos. 1 and 2 Power Boilers are rated at 760 MM Btu/hr and are permitted to burn bark/wood debris, paper, solid wood residuals, creosote-treated railroad cross-ties, recycle plant sludge, unrecyclable old corrugated container material, bagasse, coal, no. 2 fuel oil, no. 4 fuel oil, no. 6 fuel oil, distillate grades of fuel oil, used on-specification oil, used petroleum mineral spirits, onsite fuel oil solids, natural gas, tire-derived fuel, solid paraffin, high caustic, pine tar fuels, conforming waste material, polyethylene wax, and woodwaste materials containing phenol-formaldehyde resin which is otherwise known as PlyTrim. The boilers are equipped with multi-cyclones followed by electrostatic precipitators (ESP) for particulate matter control.

Currently, all steam generated from the power boilers, duct burner/HRSG, and recovery boilers is sent to a common header. From this common header, steam can be sent to various mill processes (i.e., digesters and paper machines) or sent through one of the steam turbines to generate electricity. Any additional electricity needed is purchased from CLECO.

Pulping Operations

The Mansfield Mill has three pulping lines: Primary, Secondary, and Semi-chemical. Hardwood and/or softwood chips are cooked with white liquor in the Primary and Secondary Continuous Digesters. Hardwood chips are cooked with white and green liquor in the Semi-chemical Continuous Digester.

The pulp slurry from the digesters is refined, washed in diffusion washers, stored in high density storage tanks, and then sent to the paper machine area. Vents from the diffusion washers and associated filtrate tanks are collected in the high volume, low concentration (HVLC) system. Spent cooking liquor, or weak black liquor, from the diffusion washers is used to wash the pulp in the digesters and/or sent to the chemical recovery area. Gases from the digester system are routed through a series of condensers, scrubbed, and then incinerated in the Lime Kiln or back-up NCG Incinerator.

Turpentine is recovered as a byproduct from condensed gases from the pine pulping process. Overheads from the turpentine recovery process are routed through the low volume, high concentration (LVHC) NCG System.

Chemical Recovery Operations

Kraft and semi-chemical weak liquor from the pulping process is filtered and stored in separate weak black liquor tanks. The liquor is combined in the "swing" black liquor tank and concentrated in one of two parallel lines which include a six-effect evaporator system, intermediate storage, and a concentrator system.

Tall oil soap is produced as a byproduct of the evaporation process. Liquor is extracted from an intermediate stage of each evaporator system and sent to a dedicated soap skimmer where

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tall oil soap is skimmed from the top of the tank. The soap is then sent to collection tanks and combined in the soap storage tank prior to being sent to the Tall Oil Plant. NCGs from the evaporator systems are partially condensed, and remaining gases are routed to the LVHC NCG system. Condensates are recycled to the diffusion washers and/or causticizing area. Targeted foul and combined evaporator condensates are collected in a closed collection system and hard-piped to the existing foul condensate tank or to the existing stripped condensate tank. The foul condensate tank is vented to the LVHC system and the stripped condensate tank is vented to the HVLC system. Condensates are hard-piped to any of the five existing diffusion washers. Any combined condensates not recycled to the diffusion washers are recycled to the causticizing area and used as dilution or wash water.

Liquor from the concentrators is combined in the concentrated black liquor storage tank, sent through the existing High Solids Concentrator, and sent to liquor recovery. Brine from the Tall Oil Plant is introduced into the chemical recovery area prior to the High Solids Concentrator. The Mansfield Mill operates two liquor recovery systems that process concentrated liquor. The Mill recovers cooking chemicals by firing black liquor solids into either of two non-direct contact recovery boilers (No. 1 and No. 2 Recovery Boilers). The organics from the liquor are combusted to generate heat for process steam, while the inorganic chemicals collect in the bottom of the boilers in the form of molten smelt. Each boiler is fed heavy liquor and has its own associated smelt tank, electrostatic precipitator (ESP), and exhaust stack.

The molten smelt from each recovery boiler is directed to one of two dedicated tanks, where it is dissolved into weak wash or water to form green liquor, a prelude step to regenerating white liquor in the causticizing operation. Each smelt tank is equipped with a Ducon scrubber system designed to capture particulates and gaseous pollutants and return them to the tank.

Tall Oil Operations

The Tall Oil Plant produces crude tall oil (CTO) from black liquor soap. Black liquor soap is a byproduct of the kraft pulping process that contains fatty resins and oils that have wide commercial uses. CTO is produced in a process called tall oil acidulation, where black liquor soap is combined with sulfuric acid and steam in a continuous reactor, allowing the production of CTO from the mixture. The remaining liquid is a combination of lignin and a brine solution, composed primarily of sodium sulfate and water. The brine solution is introduced back into the recovery cycle for the reclamation of the chemical value (sodium and sulfur).

The Tall Oil Plant allows the mill to generate a maximum of 70,343 tons per year CTO. Emission sources from the plant include a Heel Liquor Sample Tank, soap storage, a continuous tall oil reactor, sulfuric acid storage, CTO storage tanks, and brine storage tanks. The Heel Liquor Sample Tank and soap storage tanks minimize emissions of VOC and TRS from downstream units as settled liquor is sent to weak black liquor storage. (Note: the Heel Liquor Sample Tank is only used during the first few minutes of soap unloading. The purpose of the tank is to collect any settled black liquor during transportation.) Most of the

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VOC from this liquor is volatilized in the evaporators and destroyed in the kiln. The reactor is equipped with a wet scrubber for control of TRS emissions. In addition, the CTO storage tanks, brine receiver, and cleaner accepts tank are vented through the tall oil scrubber. The brine and settled black liquor from soap storage are introduced into the chemical recovery area. The settled black liquor from the Heel Liquor Sample Tank and soap storage are recycled to any of three weak liquor storage tanks, while the brine is reintroduced into the chemical recovery area prior to the High Solids Concentrator.

Causticizing and Lime Recovery Operations

In the causticizing/lime recovery area, dissolved smelt (called green liquor) from the smelt dissolving tanks is clarified, stored, and then mixed with lime (CaO) in the slaker. The sodium salts in the green liquor react with the CaO to form white liquor and lime mud (CaCO₃) in the causticizers. This white liquor/lime mud slurry is then clarified to separate the white liquor from the lime mud. The white liquor is sent to the digesters, and the lime mud is conditioned in the lime mud mix tank and washers, stored, thickened in the precoat filter, and then burned in the lime kiln to form CaO. Fuels burned in the lime kiln include natural gas, fuel oils (Nos. 2, 4, and 6, distillate grades, used or spec oil, and other petroleum mineral spirits) and LVHC NCG gases. The slaker and lime kiln are equipped with wet scrubbers. Weak wash from the lime mud washers is used to dissolve the inorganics in the smelt tank and for PM/TRS control in the smelt tank scrubbers.

Burnt lime from the lime kiln is conveyed to a lime silo for storage prior to being added to the slaker. The mill can also purchase fresh lime, which is blown from trucks and added to the same silo as the burnt lime. Fresh/reburnt lime is dropped into the slaker from the bottom of the silo. The lime silo and bucket elevator are exhausted through the slaker scrubber.

Gas Collection System

The Mansfield Mill operates two separate gas collection systems: HVLC and LVHC. In the HVLC System, vents collected from the stripped condensate tank, diffusion washers, and associated filtrate tanks are burned in the natural gas-fired HVLC Incinerator. Combusted gases pass through a quench tower and scrubber equipped with a mist eliminator and then out the stack, while the liquid is routed to the sewer system.

In the LVHC NCG System, NCG gases are collected in three separate lines. The concentrated pulp system collects NCGs from the digester and turpentine recovery systems. The dilute pulp system collects NCGs from the digester chip bin vents. The Powerhouse concentrated system collects NCGs from the evaporator, concentrator, and steam stripper systems.

The three inlet streams each pass through a wet scrubber and are normally burned in the lime kiln. The NCG Incinerator is a backup system used to destroy the NCGs in case the lime kiln is unavailable. The incinerator is kept running continuously on standby, burning natural gas so that it remains at a suitable operating temperature should the NCGs need to be diverted from the lime kiln.

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Papermaking and Recycle Operations

The Mansfield Mill produces unbleached and white top linerboard and corrugating medium from the Nos. 1, 2, and 3 Paper Machines. Furnish for each of the machines can be either virgin pulp from the three pulp lines or recycled pulp from the recycle plant.

Virgin or recycle pulp from the pulp mill high density storage tanks or from the recycle storage tanks is sent to the low density storage tanks, where it is refined, screened, and combined with wet end additives prior to being diluted with recycled water at the primary and secondary head boxes of the machine. The low consistency slurry is then applied to the wire, where it forms the sheet. Water drains by gravity and by vacuum into a series of pits, while the wet sheet travels to the press and drier sections to remove the remaining water. Paper is cut and rolled onto finishing reels.

All paper machine water, called white water, is screened in the save-all to recover any lost fiber, and then either stored and recycled within the mill or sewer to the wastewater treatment plant. A fiber recovery system is also installed for the white water that is sent to the sewer. Recovered fiber is recycled back via the broke system. Scrap paper from the finishing operations is repulped and combined with the recovered fiber from the save-all in the broke storage chests. This pulp is then recycled to the primary machine chest.

The recycle plant consists of two lines. One line has a continuous repulper; the other has two batch repulpers in parallel. The recycle plant is capable of processing old corrugated containers, mixed papers, and deinked fibers. The pulp slurry is screened, washed, and bleached (non-chlorine bleaching) prior to being sent to the low density storage tanks in the paper machine areas.

Additional Mill Operations

The Mansfield Mill maintains miscellaneous operations that support pulp and paper production. Operations in this area include wood supply, raw water treatment, wastewater collection and treatment, waste treatment and disposal, road traffic, maintenance, process cooling, quality control, and other support operations that are insignificant sources of regulated air pollutants. The Woodyard processes all wood used in the digesters and all woodwaste used as fuel in the power boilers.

Pine and hardwood logs are delivered by truck or railcar and processed separately. The logs are cut in the slasher, debarked, chipped, and conveyed to separate chip piles. Purchased chips are unloaded from trucks, screened, and conveyed to the hardwood or softwood chip pile. Hardwood chips are screened and conveyed to the Secondary or Semi-chemical Digesters; pine chips are screened and conveyed to the Primary or Secondary Digesters. The chip screens are enclosed, and the conveyors are partially or totally enclosed to minimize emissions during transport.

Bark and sawdust from the slashers, bark from the debarking drums, and fines from purchased or own-make chip screening are conveyed to the bark pile and then fired in the

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Nos. 1 and 2 Power Boilers.

Raw water used in the Mill is pumped approximately 28 miles from the Toledo Bend Reservoir and used throughout the Mill as process and cooling water.

The wastewater from the Mansfield Mill consists of storm water from process areas, sanitary wastewater, and process wastewater from the papermaking, recycle, power, pulping, and causticizing and lime recovery operations. The process wastewater is sent to the primary clarifiers, where solids can be settled, and then treated by land application through spraying or wetlands flow. Currently, most of the wastewater is sprayed onto the land (~600 acres), with treated water being collected and piped five miles for discharge to the Red River. The remaining wastewater is pumped to a wetland area for treatment, with treated water being collected and piped to the Red River. A surge basin stores wastewater during times of excessive flow. The sanitary wastewater is pretreated, chlorinated, then applied to land in combination with the clarified process wastewater.

The Mansfield Mill disposes of process waste in an onsite landfill. Process waste includes ash from the power boilers, woodyard waste, sludge from the wastewater pretreatment process, recycle plant rejects, caustic plant waste (i.e., dregs, lime, and slaker grit), refuse, and miscellaneous waste (e.g., ditch clean-up).

Road traffic occurs from the delivery of raw materials (i.e., purchased chips, logs, paper machine additives, and chemicals) and the transport of products (i.e., paper, turpentine, and crude tall oil). Maintenance operations include welding and metal fabrication, painting, as well as routine equipment and building upkeep.

With this modification, International Paper proposes to:

- Incorporate a specific condition detailing all of the approved fuels for the No. 1 and No. 2 Power Boilers (EQT 5 and EQT 35, respectively).
- Seek clarification of the vent allowances for the purposes of reporting excess emissions of LVHC gases and HVLC gases in accordance with 40 CFR 63 Subpart S.
- Add a new fire water pump (EQT 186) as an emissions source.
- Replace-in-kind the No. 1 Recover Boiler Blend Tank, No. 2 Recover Boiler Blend Tank, and the Wet Crude Oil Tank.
- Incorporate a clarification of the NO_x limit during low-load operations for the Gas Turbine/HRSG Stack (EQT 7). This clarification was previously approved and was included in Permit No. PSD-LA-93(M-7).
- Seek an equivalency determination showing that compliance with the monitoring, testing, and recordkeeping requirements of 40 CFR 63 Subpart S will satisfy certain conditions of LAC 33:III.2115.

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- Incorporate a consolidation of monitoring, recordkeeping, and reporting requirements of 40 CFR 60 Subpart BB requirements with the more stringent 40 CFR 63 Subpart MM requirements for the Lime Kiln (EQT 6), the No. 1 Smelt Dissolving Tank (EQT 15), and the No. 2 Smelt Dissolving Tank (EQT 38). This consolidation was previously approved by letter dated January 13, 2005, by the Environmental Protection Agency.
- Revise the calculation method used to determine emissions for the Coal Storage/Handling (FUG 1) to more accurately reflect operations at this facility.
- Revise the calculation method used to determine emission for the Wastewater Treatment system (EQT 13) to reflect new site-specific test data and updated literature.
- Revise the current Compliance Assurance Monitoring (CAM) requirements for the Lime Slaker (EQT 14) to reflect a planned change from an induced draft venturi scrubber to a natural draft venturi scrubber. These requirements are listed in Appendix A.

Estimated emissions in tons per year are as follows:

<u>Pollutant</u>	<u>Before</u>	<u>After</u>	<u>Change</u>
PM ₁₀	1409.00	1392.05	- 16.95
SO ₂	8859.80	8859.84	+ 0.04
NO _x	6229.00	6228.37	- 0.63
CO	9271.90	9270.47	- 1.43
VOC*	4767.10	5175.84	+ 408.74
TRS	303.60	225.66	- 77.94

* Emissions increase is due to change in the method of emissions estimation and it does not reflect an actual change in emissions.

Non-TAP VOC (TPY): 1998.80

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IV. Type of Review

This permit was reviewed for compliance with 40 CFR 70, the Louisiana Air Quality Regulations, New Source Performance Standards (NSPS), and National Emission Standards for Hazardous Air Pollutants (NESHAP). Prevention of Significant Deterioration (PSD) does not apply.

This facility is a major source of toxic air pollutants (TAPs) pursuant to LAC 33:III.Chapter 51. The Mill's power boilers will be subject to 40 CFR 63 Subpart DDDDD-National Emission Standards for Hazardous Air Pollutants for Industrial/Commercial/Institutional Boilers and Process Heaters.

V. Credible Evidence

Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit that state specific methods that may be used to assess compliance with applicable requirements, pursuant to 40 CFR Part 70 and EPA's Credible Evidence Rule, 62 Fed. Reg. 8314 (Feb. 24, 1997), any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed shall be considered for purposes of Title V compliance certifications. Furthermore, for purposes of establishing whether or not a person has violated or is in violation of any emissions limitation or standard or permit condition, nothing in this permit shall preclude the use, including the exclusive use, by any person of any such credible evidence or information.

VI. Public Notice

A notice requesting public comment on the permit was published in *The Advocate*, Baton Rouge, on <date>, 200X; and in the <local paper>, <local town>, on <date>, 200X. A copy of the public notice was mailed to concerned citizens listed in the Office of Environmental Services Public Notice Mailing List on <date>. All comments will be considered prior to the final permit decision.

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VII. Effects on Ambient Air

Dispersion Model(s) Used: None

VIII. General Condition XVII Activities

Emission Rates - TPY

Work Activity	VOC	TRS	H ₂ S	Acetaldehyde	Methanol	Methyl Ethyl Ketone
Turpentine Decanter Overflow Primary Standpipe	1.3	0.18	<0.01	0.01	0.87	0.08
Turpentine Decanter Overflow Secondary Standpipe	1.3	0.18	<0.01	0.01	0.87	0.08

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IX. Insignificant Activities

ID No.:	Description	Operating Rate (Max) or Tank Capacity	Citation ¹
58-00a	Auxiliary Air Compressors Diesel Tank	2040 gals	A.3
58-00b	Auxiliary Generator Diesel Storage	1500 gals	A.3
58-00c	Fire Pumps Diesel Storage	280 gals	A.3
58-00d	Lake Pump Diesel Storage	1900 gals	A.3
58-00e	Lift Pit Pump Diesel Storage	550 gals	A.3
58-00f	Lime Kiln Fuel Oil Day Tank	7686 gals	A.3
58-00g	Effluent Clarifiers Diesel Storage	575 gals	A.3
58-00h	Solid Waste Contractor Shop Diesel Tank	550 gals	A.3
58-00i	Admin Building Diesel Generator Tank	550 gals	A.3
58-00j	Firewater Generator No. 3 PM Diesel Storage	550 gals	A.3
58-00k	Lift Pit No. 3 PM Diesel Storage	550 gals	A.3
-	Caustic Storage Tanks	-	A.10
-	Water washing operations	-	A.7
-	Fuel-burning heating equipment	<1 MM Btu/hr	A.5
-	Laboratory equipment/vents	-	A.6
-	Package Boiler	-	B.32

¹LAC 33:III.501.B.5

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 MANSFIELD, DESOTO PARISH, LOUISIANA

X. Applicable Louisiana and Federal Air Quality Requirements

ID No.	Description	LAC 33:III.Chapter																
		5	9	11	13	15	2103	2111	2113	2115	2301	22	29*	51*	56	59		
ARE 5	Entire Facility	1	1	1	1				1							1	1	1
ARE 5	Landfill																1	
QOT 5	No. 1 Power Boiler			1	1	1											2	
QOT 6	Lime Kiln			1	1	1					1						1	
QOT 7	Gas Turbine/HRSG Stack			1	1	1											2	
QOT 8	Crude Tall Oil - Tall Oil Reactor											1					1	
QOT 9	Soda Ash Unloading											1					1	
QOT 10	HVLC Incinerator			1	1	1								1			1	
QOT 11	Lime Kiln Auxiliary Engine			1	1	1											2	
QOT 12	Oxidized Starch Silo																	
QOT 13	Wastewater Treatment																	
QOT 14	Lime Slaker/Lime Handling												1				1	
QOT 15	No. 1 Smelt Dissolving Tank					1							1	1			1	
QOT 16	No. 2 Fuel Oil Bulk Tank																	
QOT 17	Process Liquor Tanks - Soap Skimmer													3			1	
QOT 18	Caterpillar Back-up Diesel Air			1	1	1											1	
QOT 19	Boiler Feedwater/Steam Condensate																2	
QOT 21	Talc Silo																1	
QOT 22	Pearl Starch Silo																	
QOT 23	Crude Tall Oil - Soap Unloading																	1
QOT 24	Crude Tall Oil - Tall Oil Loading																	1
QOT 25	NCG Incinerator			1	1	1											1	
QOT 26	Auxiliary Diesel Generator (No. 1)			1	1	1											2	

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

MANSFIELD MILL
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X. Applicable Louisiana and Federal Air Quality Requirements

ID No.	Description	LAC 33:III.Chapter																
		5	9	11	13	15	2103	2111	2113	2115	2301	22	29*	51*	56	59		
39-96	Auxiliary Diesel Generator (No. 2)			1													2	
46-96	Detroit Diesel Fire-Water Pump No. 2			1													2	
47-96	Detroit Diesel Fire-Water Pump No. 3			1													2	
48-96	Clarifier Diesel Engine "Big Bubba"			1													2	
49-96	Waste Clarifier Diesel Engine			1													2	
50-96	Administration Building Diesel Generator			1													2	
51-96	Effluent Lift Pit Diesel Engine			1													2	
52-96	Mud Storage Diesel Generator			1													2	
02-78	No. 2 Power Boiler			1	1												2	
04-78	No. 1 Recovery Boiler					1							1				1	
05-78	No. 2 Recovery Boiler					1							1				1	
07-78	No. 2 Smelt Dissolving Tank					1							1	1			1	
20-93e	No. 1 Paper Machine - No. 1 White Water Storage Tank												1				1	
20-93f	No. 1 Paper Machine - No. 2 White Water Storage Tank												1				1	
20-93h	No. 1 Paper Machine - No. 1 Broke Storage Tank												1				1	
20-93i	No. 1 Paper Machine - No. 2 Broke Storage Tank												1				1	

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X. Applicable Louisiana and Federal Air Quality Requirements

ID No.	Description	LAC 33:III.Chapter															
		5	9	11	13	15	2103	2111	2113	2115	2301	22	29*	51*	56	59	
:QT 43	20-93j Linerboard Whitewater Tank												1				1
:QT 44	21-93e No. 2 Paper Machine – White Water Storage Tank												1				1
:QT 45	21-93g No. 2 Paper Machine – Broke Storage Tank												1				1
:QT 46	21-93h Corrugated Medium Whitewater Tank												1				1
:QT 47	22-01p No. 3 Paper Machine – T/S Reclaims/Reject Tank												1				1
:QT 48	22-93b No. 3 Paper Machine – High Density Thickener Tank												1				1
:QT 49	22-93f No. 3 Paper Machine – T/S Excess White Water Tank												1				1
:QT 50	22-93h No. 3 Paper Machine – Filtered White Water Tank												1				1
:QT 51	22-93i No. 3 Paper Machine – B/S White Water Storage Tank												1				1
:QT 52	22-93j No. 3 Paper Machine – T/S White Water Storage Tank												1				1
:QT 53	22-93l No. 3 Paper Machine – Broke Storage Tank												1				1
:QT 54	28-93a PLT – Primary Weak Black Liquor Storage Tank East												1				1
:QT 55	28-93b PLT – Primary Weak Black Liquor Storage Tank West												1				1

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X. Applicable Louisiana and Federal Air Quality Requirements		LAC 33:III. Chapter														
		5	9	11	13	15	2103	2111	2113	2115	2301	22	29*	51*	56	59
ID No.	Description															
:QT 56	28-93c PLT - Secondary Weak Black Liquor Storage Tank										1				1	
:QT 57	28-93d PLT - Semichemical Weak Black Liquor Storage Tank										1				1	
:QT 58	28-93e PLT - Swing Weak Black Liquor Storage Tank										1				1	
:QT 59	28-93f PLT - No. 1 Intermediate Black Liquor Storage Tank										1				1	
:QT 60	28-93g PLT - No. 2 Intermediate Black Liquor Storage Tank										1				1	
:QT 61	28-93h PLT - Heavy Black Liquor Storage Tank										1				1	
:QT 62	28-93k PLT - Soap Skimmer Tank (No. 2)										1				1	
:QT 63	28-93l PLT - Soap Collection Tank (No. 1)										1				1	
:QT 64	28-93m PLT - Soap Collection Tank (No. 2)										1				1	
:QT 65	28-93n PLT - Soap Storage Tank										1				1	
:QT 66	28-93o Boilout Tank										1				1	
:QT 67	28-93p No. 1 Spill Tank										1				1	
:QT 68	28-93q No. 2 Spill Tank										1				1	
:QT 69	28-93r #1 RB Black Liquor Dump Tank										1				1	
:QT 70	28-93s #2 RB Black Liquor Dump Tank										1				1	
:QT 71	29-93a Causticizing Area - No. 1 Green Liquor Clarifier										1				1	

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X. Applicable Louisiana and Federal Air Quality Requirements		LAC 33:III.Chapter															
		5	9	11	13	15	2103	2111	2113	2115	2301	22	29*	51*	56	59	
ID No.	Description																
29-93b	Causticizing Area - No. 2 Green Liquor Clarifier													1			
29-93c	Causticizing Area - No. 1 Green Liquor Storage Tank													1			
29-93d	Causticizing Area - No. 2 Green Liquor Storage Tank													1			
29-93j	Causticizing Area - No. 1 Weak Wash Tank													1			
29-93k	Causticizing Area - No. 2 Weak Wash Tank													1			
29-93l	Causticizing Area - No. 1 White Liquor Clarifier													1			
29-93m	Causticizing Area - No. 2 White Liquor Clarifier													1			
29-93n	Causticizing Area - No. 1 White Liquor Storage Tank													1			
29-93o	Causticizing Area - No. 2 White Liquor Storage Tank													1			
29-93p	Causticizing Area - No. 3 White Liquor Storage Tank													1			
29-93q	Causticizing Area - Lime Mud Mix Tank													1			
29-93t	Causticizing Area - Lime Mud Storage Tank													1			
29-93v	Waste Clarifier													1			

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X. Applicable Louisiana and Federal Air Quality Requirements		LAC 33:III. Chapter														
		5	9	11	13	15	2103	2111	2113	2115	2301	22	29*	51*	56	59
ID No.	Description															
:QT 102	56-98d Crude Tall Oil - Soap Blend Tank										1					
:QT 103	56-98e Crude Tall Oil - Sulfuric Acid Storage Tank													1		
:QT 104	56-98g Crude Tall Oil - Neutralized Brine Storage Tank										1					
:QT 105	56-98h Crude Tall Oil - Brine Feed Tank										1					
:QT 106	56-98j Crude Tall Oil - Heel Liquor Sample Tank										1					
:QT 107	59-00a Sulfuric Acid Supply Tank															1
:QT 108	59-00b Demin Water Acid Mix Tank															1
:QT 109	59-00c #3 PM Acid Supply Tank															1
:QT 110	59-00d #3 PM Bulk Sulfuric Acid Tank															1
:QT 111	14-93 Repulper #1															1
:QT 112	15-93 Repulper #2															1
:QT 113	16-93 Repulper #3															1
:QT 114	20-01n No. 1 PM - Semichemical Fiber Sidehill Washing														1	
:QT 115	20-01o No. 1 PM - HW Refiner Low Density Chest														1	
:QT 116	20-01p No. 1 PM - Short Fiber Blend Chest														1	
:QT 117	20-93a No. 1 PM - Grouped Source														1	

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X. Applicable Louisiana and Federal Air Quality Requirements		LAC 33:III.Chapter														
		5	9	11	13	15	2103	2111	2113	2115	2301	22	29*	51*	56	59
ID No.	Description															
20-93b	No. 1 PM - Save-all Vent No. 1															
20-93c	No. 1 PM - Save-all Mixing Chest															
20-93d	No. 1 PM - Save-all White Water Filtrate Chest															
20-93g	No. 1 PM - Broke Repulper															
20-93k	#1 PM Secondary Pine Low Density Chest															
20-93l	#1 PM Primary Pine Low Density Chest															
20-93m	#1 PM Hardwood Low Density Chest															
21-04k	No. 2 PM - No. 2 PM Stock Chest															
21-93a	No. 2 PM - Grouped Source															
21-93b	No. 2 PM - Save-all Vent No. 1															
21-93c	No. 2 PM - Save-all Mixed Stock Chest															
21-93d	No. 2 PM - Save-all White Water Filtrate Chest															
21-93f	No. 2 PM - Broke Repulper															
21-93i	#2 PM Pine Low Density Chest															
21-93j	#2 PM Semichemical Low Density Chest															
22-01n	No. 3 PM - HW Fiber Low Density Chest/Standpipes															

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X. Applicable Louisiana and Federal Air Quality Requirements		LAC 33:III.Chapter															
		5	9	11	13	15	2103	2111	2113	2115	2301	22	29*	51*	56	59	
ID No.	Description																
Q134	No. 3 PM - Pine Fiber Low Density Chest/Standpipes													1			
Q135	No. 3 PM - Grouped Source													1			
Q136	No. 3 PM - Save-all Vent													1			
Q137	No. 3 PM - Save-all Stock Chest													1			
Q138	No. 3 PM - AES Filters													1			
Q139	No. 3 PM - Broke Repulper													1			
Q140	#3 PM Virgin Fiber Low Density Chest													1			
Q141	Process Chillers																
Q142	Causticizing Area - Dregs Filter													1			
Q143	Causticizing Area - No. 1 Causticizer													1			
Q144	Causticizing Area - No. 2 Causticizer													1			
Q145	Causticizing Area - No. 3 Causticizer													1			
Q146	Causticizing Area - No. 4 Causticizer													1			
Q147	Causticizing Area - No. 1 Lime Mud Washer													1			
Q148	Causticizing Area - No. 2 Lime Mud Washer													1			
Q149	Causticizing Area - Lime Mud Precoat Filter													1			

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X. Applicable Louisiana and Federal Air Quality Requirements		LAC 33:III. Chapter														
		5	9	11	13	15	2103	2111	2113	2115	2301	22	29*	51*	56	59
ID No.	Description															
QT 150	Black Liquor Filters – Secondary Black Liquor Filter										1					
QT 151	Black Liquor Filters – Primary Black Liquor Filter										1					
QT 152	Fiber Reclaims System										1					
QT 153	Repulper #4														1	
QT 154	Repulper #5														1	
QT 155	Primary Digester System										1	1				
QT 156	Secondary Digester System										1	1				
QT 157	Semichemical Digester System										1	1				
QT 158	No. 1 Evaporator										1	1				
QT 159	No. 2 Evaporator										1	1				
QT 160	No. 1 Concentrator System										1	1				
QT 161	No. 2 Concentrator System										1	1				
QT 162	Condensate Stripper System										1	1				
QT 163	Turpentine Decanter										1					
QT 164	Diffusion Washer Vent A														1	
QT 165	Diffusion Washer Vent B														1	
QT 166	Diffusion Washer Vent C														1	

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X. Applicable Louisiana and Federal Air Quality Requirements		LAC 33:III. Chapter														
ID No.	Description	5	9	11	13	15	2103	2111	2113	2115	2301	22	29*	51*	56	59
:QT 167	12D-78 Diffusion Washer Vent D													1		
:QT 168	12E-78 Diffusion Washer Vent E													1		
:QT 169	NCG-L Turpentine Storage					3										
:QT 170	28-93i Stripped Condensate Tank													1		
:QT 171	31-93a Primary Filtrate Tank Vent - Washer A (Vent A)													1		
:QT 172	31-93b Primary Filtrate Tank Vent - Washer A (Vent B)													1		
:QT 173	31-93c Primary Filtrate Tank Vent - Washer B (Vent A)													1		
:QT 174	31-93d Primary Filtrate Tank Vent - Washer B (Vent B)													1		
:QT 175	31-93e Secondary Filtrate Tank Vent - (Vent A)													1		
:QT 176	31-93f Secondary Filtrate Tank Vent - (Vent B)													1		
:QT 177	31-93g Semi-chemical Filtrate Tank Vent - (Vent A)													1		
:QT 178	31-93h Semi-chemical Filtrate Tank Vent - (Vent B)													1		
:QT 179	TO-A Crude Tail Oil-Brine Receiver Tank											1		1		
:QT 180	TO-B Crude Tail Oil-Cleaner Accepts Tank											1		1		
:QT 181	TO-C Crude Tail Oil-Wet CTO Tank											1		1		

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X. Applicable Louisiana and Federal Air Quality Requirements		LAC 33:III:Chapter														
		5	9	11	13	15	2103	2111	2113	2115	2301	22	29*	51*	56	59
ID No.	Description															
Q182	TO-D Crude Tall Oil-Dry CTO Tank															
Q183	No. 3 Paper Machine - B/S Excess White Water Tank									1						
Q184	Cationic Starch Silo															
Q185	Intermediate and High Solids Concentrator System									1						
Q186	Clarke Fire-Water Pump									1						
UG 1	Coal Storage/Handling															
UG 2	Ash Handling Operations															
UG 3	Bark/Woodwaste/Sludge Handling															
UG 4	Woodyard Grouped Source															
UG 5	Haul Roads															
UG 6	Paint Yard															
JRP 3	Pulping Condensates															

* The regulations indicated above are State Only regulations.

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KEY TO MATRIX

- 1 - The regulations have applicable requirements that apply to this particular emission source.
- The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 - The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 - The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank - The regulations clearly do not apply to this type of emission source.

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X. ID No.	Applicable Louisiana and Federal Air Quality Requirements	Description	40 CFR 60				40 CFR 61				40 CFR 63					
			A	D	Db	Kb	BB	GG	A	M	A	S	MM	DDDD	64	68
EQT 28	46-96	Detroit Diesel Fire-Water Pump No. 2														
EQT 29	47-96	Detroit Diesel Fire-Water Pump No. 3														
EQT 30	48-96	Clarifier Diesel Engine "Big Bubba"														
EQT 31	49-96	Waste Clarifier Diesel Engine														
EQT 32	50-96	Administration Building Diesel Generator														
EQT 33	51-96	Effluent Lift Pit Diesel Engine														
EQT 34	52-96	Mud Storage Diesel Generator														
EQT 35	02-78	No. 2 Power Boiler	1	1											1	
EQT 36	04-78	No. 1 Recovery Boiler	1			1								1		3
EQT 37	05-78	No. 2 Recovery Boiler	1			1								1		3
EQT 38	07-78	No. 2 Smelt Dissolving Tank	1			1								1		3
EQT 39	20-93e	No. 1 Paper Machine - No. 1 White Water Storage Tank														
EQT 40	20-93f	No. 1 Paper Machine - No. 2 White Water Storage Tank														
EQT 41	20-93h	No. 1 Paper Machine - No. 1 Broke Storage Tank														
EQT 42	20-93i	No. 1 Paper Machine - No. 2 Broke Storage Tank														
EQT 43	20-93j	Linerboard Whitewater Tank														
EQT 44	21-93e	No. 2 Paper Machine - White Water Storage Tank														
EQT 45	21-93g	No. 2 Paper Machine - Broke Storage Tank														

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X. Applicable Louisiana and Federal Air Quality Requirements		40 CFR													
ID No.	Description	60				61			63			64		68	
		A	D	Db	Kb	BB	GG	A	M	A	S	MM	DDDD	64	68
EQT 46	21-93h Corrugated Medium Whitewater Tank														
EQT 47	22-01p No. 3 Paper Machine - T/S Reclaims/Reject Tank														
EQT 48	22-93b No. 3 Paper Machine - High Density Thickener Tank														
EQT 49	22-93f No. 3 Paper Machine - T/S Excess White Water Tank														
EQT 50	22-93h No. 3 Paper Machine - Filtered White Water Tank														
EQT 51	22-93i No. 3 Paper Machine - B/S White Water Storage Tank														
EQT 52	22-93j No. 3 Paper Machine - T/S White Water Storage Tank														
EQT 53	22-93l No. 3 Paper Machine - Broke Storage Tank														
EQT 54	28-93a PLT - Primary Weak Black Liquor Storage Tank East														
EQT 55	28-93b PLT - Primary Weak Black Liquor Storage Tank West														
EQT 56	28-93c PLT - Secondary Weak Black Liquor Storage Tank														
EQT 57	28-93d PLT - Semicheical Weak Black Liquor Storage Tank														

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X. Applicable Louisiana and Federal Air Quality Requirements																
ID No.	Description	40 CFR 60						40 CFR 61			40 CFR 63			40 CFR 68		
		A	D	Db	Kb	BB	GG	A	M	A	S	MM	DDDD	64	68	
EQT 58	PLT - Swing Weak Black Liquor Storage Tank															
EQT 59	PLT - No. 1 Intermediate Black Liquor Storage Tank															
EQT 60	PLT - No. 2 Intermediate Black Liquor Storage Tank															
EQT 61	PLT - Heavy Black Liquor Storage Tank															
EQT 62	PLT - Soap Skimmer Tank (No. 2)															
EQT 63	PLT - Soap Collection Tank (No. 1)															
EQT 64	PLT - Soap Collection Tank (No. 2)															
EQT 65	PLT - Soap Storage Tank															
EQT 66	Boilout Tank															
EQT 67	No. 1 Spill Tank															
EQT 68	No. 2 Spill Tank															
EQT 69	#1 RB Black Liquor Dump Tank															
EQT 70	#2 RB Black Liquor Dump Tank															
EQT 71	Causticizing Area - No. 1 Green Liquor Clarifier															
EQT 72	Causticizing Area - No. 2 Green Liquor Clarifier															
EQT 73	Causticizing Area - No. 1 Green Liquor Storage Tank															
EQT 74	Causticizing Area - No. 2 Green Liquor Storage Tank															

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X. Applicable Louisiana and Federal Air Quality Requirements														
ID No.	Description	40 CFR 60					40 CFR 61			40 CFR 63			40 CFR 68	
		A	D	Db	Kb	BB	GG	A	M	A	S	MM	DDDD	64
EQT 75	Causticizing Area - No. 1 Weak Wash Tank													
EQT 76	Causticizing Area - No. 2 Weak Wash Tank													
EQT 77	Causticizing Area - No. 1 White Liquor Clarifier													
EQT 78	Causticizing Area - No. 2 White Liquor Clarifier													
EQT 79	Causticizing Area - No. 1 White Liquor Storage Tank													
EQT 80	Causticizing Area - No. 2 White Liquor Storage Tank													
EQT 81	Causticizing Area - No. 3 White Liquor Storage Tank													
EQT 82	Causticizing Area - Lime Mud Mix Tank													
EQT 83	Causticizing Area - Lime Mud Storage Tank													
EQT 84	Waste Clarifier													
EQT 85	Sodium Hydrosulfide Tank #1													
EQT 86	Sodium Hydrosulfide Tank #2													
EQT 87	Pulp Mill Tanks - Primary High Density Chest A													
EQT 88	Pulp Mill Tanks - Primary High Density Chest B													

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X.	Applicable Louisiana and Federal Air Quality Requirements															
	ID No.	Description	40 CFR 60				40 CFR 61			40 CFR 63			40 CFR 68			
			A	D	Db	Kb	BB	GG	A	M	A	S	MM	DDDD	64	68
EQT 89	31-93k	Pulp Mill Tanks - Primary High Density Chest C														
EQT 90	31-93l	Pulp Mill Tanks - Secondary High Density Chest														
EQT 91	31-93m	Pulp Mill Tanks - Semichemical High Density Chest														
EQT 92	31-93n	Pine Digester Dump Tank														
EQT 93	31-93o	Hardwood Digester Dump Tank														
EQT 94	31-93p	Semichemical Digester Dump Tank														
EQT 96	40-96	Unleaded Gasoline Bulk Tank				3										
EQT 97	41-96	Lime Kiln Gasoline Tank				3										
EQT 98	43-96	No. 6 Fuel Oil Storage Tank														
EQT 99	44-96	Fuel Oil Day Tank (No. 6)														
EQT 100	56-98b	Crude Tall Oil - Soap Receiving Tank														
EQT 101	56-98c	Crude Tall Oil - Soap Decanting Tank														
EQT 102	56-98d	Crude Tall Oil - Soap Blend Tank														
EQT 103	56-98e	Crude Tall Oil - Sulfuric Acid Storage Tank														
EQT 104	56-98g	Crude Tall Oil - Neutralized Brine Storage Tank														
EQT 105	56-98h	Crude Tall Oil - Brine Feed Tank														
EQT 106	56-98j	Crude Tall Oil - Heel Liquor Sample Tank														
EQT 107	59-00a	Sulfuric Acid Supply Tank														
EQT 108	59-00b	Demin Water Acid Mix Tank														

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X. Applicable Louisiana and Federal Air Quality Requirements		40 CFR 60										40 CFR 61			40 CFR 63			40 CFR	
		A	D	Db	Kb	BB	GG	A	M	A	S	MM	DDDD	64	68				
ID No.	Description																		
EQT 109	#3 PM Acid Supply Tank																		
EQT 110	#3 PM Bulk Sulfuric Acid Tank																		
EQT 111	Repulper #1																		
EQT 112	Repulper #2																		
EQT 113	Repulper #3																		
EQT 114	No. 1 PM - Semicheical Fiber Sidehill Washing																		
EQT 115	No. 1 PM - HW Refiner Low Density Chest																		
EQT 116	No. 1 PM - Short Fiber Blend Chest																		
EQT 117	No. 1 PM - Grouped Source																		
EQT 118	No. 1 PM - Save-all Vent No. 1																		
EQT 119	No. 1 PM - Save-all Mixing Chest																		
EQT 120	No. 1 PM - Save-all White Water Filtrate Chest																		
EQT 121	No. 1 PM - Broke Repulper																		
EQT 122	#1 PM Secondary Pine Low Density Chest																		
EQT 123	#1 PM Primary Pine Low Density Chest																		
EQT 124	#1 PM Hardwood Low Density Chest																		
EQT 125	No. 2 PM - No. 2 PM Stock Chest																		
EQT 126	No. 2 PM - Grouped Source																		
EQT 127	No. 2 PM - Save-all Vent No. 1																		
EQT 128	No. 2 PM - Save-all Mixed Stock Chest																		

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X. Applicable Louisiana and Federal Air Quality Requirements																
ID No.	Description	40 CFR 60						40 CFR 61			40 CFR 63			40 CFR		
		A	D	Db	Kb	BB	GG	A	M	A	S	MM	DDDD	64	68	
EQT 129	No. 2 PM - Save-all White Water Filtrate Chest															
EQT 130	No. 2 PM - Broke Repulper															
EQT 131	#2 PM Pine Low Density Chest															
EQT 132	#2 PM Semichemical Low Density Chest															
EQT 133	No. 3 PM - HW Fiber Low Density Chest/Standpipes															
EQT 134	No. 3 PM - Pine Fiber Low Density Chest/Standpipes															
EQT 135	No. 3 PM - Grouped Source															
EQT 136	No. 3 PM - Save-all Vent															
EQT 137	No. 3 PM - Save-all Stock Chest															
EQT 138	No. 3 PM - AES Filters															
EQT 139	No. 3 PM - Broke Repulper															
EQT 140	#3 PM Virgin Fiber Low Density Chest															
EQT 141	Process Chillers															
EQT 142	Causticizing Area - Dregs Filter															
EQT 143	Causticizing Area - No. 1 Causticizer															
EQT 144	Causticizing Area - No. 2 Causticizer															
EQT 145	Causticizing Area - No. 3 Causticizer															
EQT 146	Causticizing Area - No. 4 Causticizer															
EQT 147	Causticizing Area - No. 1 Lime Mud Washer															

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X.	Applicable Louisiana and Federal Air Quality Requirements															
	ID No.	Description	40 CFR 60				40 CFR 61		40 CFR 63			40 CFR 68				
			A	D	Db	Kb	BB	GG	A	M	A	S	MM	DDDD	64	68
EQT 148	29-93s	Causticizing Area - No. 2 Lime Mud Washer														
EQT 149	29-93u	Causticizing Area - Lime Mud Precoat Filter														
EQT 150	30-93a	Black Liquor Filters - Secondary Black Liquor Filter														
EQT 151	30-93b	Black Liquor Filters - Primary Black Liquor Filter														
EQT 152	60-00	Fiber Reclaims System														
EQT 153	63-04	Repulper #4														
EQT 154	64-04	Repulper #5														
EQT 155	NCG-A	Primary Digester System	1				1					1				
EQT 156	NCG-B	Secondary Digester System	1				1					1				
EQT 157	NCG-C	Semichemical Digester System	1				1					1				
EQT 158	NCG-D	No. 1 Evaporator	1				1					1				
EQT 159	NCG-E	No. 2 Evaporator	1				1					1				
EQT 160	NCG-H	No. 1 Concentrator System	1				1					1				
EQT 161	NCG-I	No. 2 Concentrator System	1				1					1				
EQT 162	NCG-J	Condensate Stripper System	1				1					1				
EQT 163	NCG-K	Turpentine Decanter										1				
EQT 164	12A-78	Diffusion Washer Vent A					3					1				
EQT 165	12B-78	Diffusion Washer Vent B					3					1				
EQT 166	12C-78	Diffusion Washer Vent C					3					1				
EQT 167	12D-78	Diffusion Washer Vent D					3					1				

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X. Applicable Louisiana and Federal Air Quality Requirements		40 CFR 60											40 CFR 61			40 CFR 63				40 CFR							
		A	D	Db	Kb	Bb	GG	A	M	A	S	MM	DDDD	64	68												
ID No.	Description																										
EQT 168	12E-78 Diffusion Washer Vent E																		1	1							
EQT 169	NCG-L Turpentine Storage				3																						
EQT 170	28-93i Stripped Condensate Tank																										
EQT 171	31-93a Primary Filtrate Tank Vent - Washer A (Vent A)																										
EQT 172	31-93b Primary Filtrate Tank Vent - Washer A (Vent B)																										
EQT 173	31-93c Primary Filtrate Tank Vent - Washer B (Vent A)																										
EQT 174	31-93d Primary Filtrate Tank Vent - Washer B (Vent B)																										
EQT 175	31-93e Secondary Filtrate Tank Vent - (Vent A)																										
EQT 176	31-93f Secondary Filtrate Tank Vent - (Vent B)																										
EQT 177	31-93g Semi-chemical Filtrate Tank Vent - (Vent A)																										
EQT 178	31-93h Semi-chemical Filtrate Tank Vent - (Vent B)																										
EQT 179	TO-A Crude Tall Oil-Brine Receiver Tank																										
EQT 180	TO-B Crude Tall Oil-Cleaner Accepts Tank																										
EQT 181	TO-C Crude Tall Oil-Wet CTO Tank																										
EQT 182	TO-D Crude Tall Oil-Dry CTO Tank																										
EQT 183	22-93e No. 3 Paper Machine - B/S Excess White Water Tank																										

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X. Applicable Louisiana and Federal Air Quality Requirements		40 CFR 60												40 CFR 63				40 CFR 68	
ID No.	Description	A	D	Db	Kb	BB	GG	A	M	A	S	MM	DDDD	DDDD	64	68			
EQT 184	32-93 Cationic Starch Silo																1		
EQT 185	NCG-M Intermediate and High Solids Concentrator System	1				1				1	1								
EQT 186	65-05 Clarke Fire-Water Pump																		
FUG 1	17-93 Coal Storage/Handling																		
FUG 2	18-93 Ash Handling Operations																		
FUG 3	19-93 Bark/Woodwaste/Sludge Handling																		
FUG 4	23-93 Woodyard Grouped Source																		
FUG 5	26-93 Haul Roads																		
FUG 6	54-96 Paint Yard																		
GRP3	- Pulping Condensates									1	1								

KEY TO MATRIX

- 1 - The regulations have applicable requirements that apply to this particular emission source.
- The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 - The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 - The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank - The regulations clearly do not apply to this type of emission source.

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XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
Facility-wide	LAC 33:III.1311 Emission Limits	DOES NOT APPLY. Applies to any operation, process, or activity from which particulate matter is emitted except the wood pulping industry, the primary aluminum industry (horizontal stud Soderberg and prebake processes), and the burning of fuel for indirect heating in which the products of combustion do not come into direct contact with process materials.
	LAC 33:III.Chapter 59 Chemical Accident Prevention Program	DOES NOT APPLY. Source does not produce, process, handle, or store any substance listed in 40 CFR 68.130 or Table 59.0 and 59.1 of LAC 33:III.Chapter 59 in amounts greater than the threshold quantities.
	40 CFR Part 68 Chemical Accident Prevention Provisions	DOES NOT APPLY. Source does not have more than a threshold quantity of a regulated substance in a process as determined under §68.115.
EQT 5 EQT 35	LAC 33:III.915 Emission Monitoring Requirements	EXEMPT. Sources are exempt from §915.A because they are subject to a new source performance standard promulgated in 40 CFR Part 60, that being NSPS Subpart D. §915.D

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XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
	LAC 33:III.1511 Continuous Emissions Monitoring	The continuous emissions monitoring requirements of §1511.A do not apply because the boilers are exempt from the emission monitoring requirements of 40 CFR Part 51, Appendix P (§915.D).
	LAC 33:III.5109 Comprehensive Toxic Air Pollutant Emission Control Program (STATE-ONLY)	EXEMPT. The administrative authority shall initiate a review of toxic air pollutants derived from the burning of wood residue fuel at pulp and paper mills. Emissions from the combustion of such fuel shall be regulated if the administrative authority determines that such regulation is appropriate and necessary. Until the administrative authority makes a final determination, emissions from the combustion of wood residue fuel are exempt from the provisions of LAC 33:III.5109. §5105.B.7
EQT 7	LAC 33:III.5109 Comprehensive Toxic Air Pollutant Emission Control Program (STATE-ONLY)	Emissions from the combustion of Group 1 virgin fossil fuels are exempt from the requirements of Subchapter A of LAC 33:III.Chapter 51. §5105.B.3.a

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XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
EQT 6 EQT 15 EQT 38	40 CFR 64 Compliance Assurance Monitoring	EXEMPT. CAM does not apply to emission limitations or standards proposed by the Administrator after November 15, 1990 pursuant to section 111 or 112 of the Act. Sources are subject to particulate standards under §63.862 of 40 CFR 63 Subpart MM. §64.2(b)(1)(i)
EQT 36 EQT 37	LAC 33:III.915 Emission Monitoring Requirements	EXEMPT. Boilers are exempt from the SO ₂ , NO _x , and O ₂ /CO ₂ emission monitoring requirements of 40 CFR Part 51, Appendix P. <ul style="list-style-type: none"> • SO₂ CEMS not required because no SO₂ pollution control equipment has been installed. (2.1.2) • NO_x CEMS not required because boilers have a heat input less than 1000 MM BTU/hr and DeSoto Parish is in attainment for NO_x. (2.1.3) • O₂ or CO₂ CMS not required because SO₂ and NO_x CEMS are not required. (2.1.4)
	LAC 33:III.1511 Continuous Emissions Monitoring	The continuous emissions monitoring requirements of §1511.A do not apply because an SO ₂ CEMS is not required per 40 CFR Part 51, Appendix P (§915.A).

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XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
EQT 11 EQT 18 EQT 26 EQT 27 EQT 28 EQT 29 EQT 30 EQT 31 EQT 32 EQT 33 EQT 34	40 CFR 60 Subpart D Standards of Performance for Fossil-Fuel-Fired Steam Generators for Which Construction is Commenced After August 17, 1971 40 CFR 64 Compliance Assurance Monitoring	Maintain annual capacity factor for fossil fuel below 10%. EXEMPT. CAM does not apply to emission limitations or standards proposed by the Administrator after November 15, 1990 pursuant to section 111 or 112 of the Act. Boilers are subject to particulate standards under §63.862 of 40 CFR 63 Subpart MM. §64.2(b)(1)(i)
EQT 16 EQT 169	LAC 33:III.2103 Storage of Volatile Organic Compounds	Emissions from the combustion of Group 1 virgin fossil fuels are exempt from the requirements of Subchapter A of LAC 33:III. Chapter 51. §5105.B.3.a DOES NOT APPLY. Contents have a true vapor pressure less than 1.5 psia at storage conditions.

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XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
EQT 96 EQT 97	40 CFR 60 Subpart Kb VOL Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984 40 CFR 60 Subpart Kb VOL Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984 LAC 33:III.2103 Storage of Volatile Organic Compounds	DOES NOT APPLY. Capacity is less than 75 cubic meters (~19,815 gallons). §60.110b(a) DOES NOT APPLY. Capacity is less than 75 cubic meters (~19,815 gallons). §60.110b(a) DOES NOT APPLY. Contents have a true vapor pressure less than 1.5 psia at storage conditions.
EQT 100	40 CFR 60 Subpart Ka Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After May 18, 1978, and Prior to July 23, 1984 LAC 33:III.2103 Storage of Volatile Organic Compounds	DOES NOT APPLY. No. 6 fuel oil is not considered a petroleum liquid. §60.111a(b) Constructed in 1981.
EQT 164 EQT 165 EQT 166 EQT 167 EQT 168	40 CFR 60 Subpart Kb VOL Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984 40 CFR 60 Subpart BB Standards of Performance for Kraft Pulp Mills	DOES NOT APPLY. Contents have a true vapor pressure less than 1.5 psia at storage conditions. DOES NOT APPLY. Capacity is less than 75 cubic meters (~19,815 gallons). §60.110b(a) EXEMPT. Diffusion washers are excluded from the definition of brown stock washer system. §60.281(e)

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XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
EQT 6 EQT 7 EQT 10 EQT 11 EQT 15 EQT 18 EQT 26 EQT 27 EQT 28 EQT 29 EQT 30 EQT 31 EQT 32 EQT 33 EQT 34 EQT 38 EQT 186	Emission Standards for Sulfur Dioxide [LAC 33:III.1503]	EXEMPT. Sources emit less than 250 tons per year of sulfur dioxide. [LAC 33:III.1503.C]

The above table provides explanation for either the exemption status or non-applicability of a source cited by 1, 2 or 3 in the matrix presented in Section X (Table 1) of this permit.

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- A. The term of this permit shall be five (5) years from date of issuance. An application for a renewal of this 40 CFR Part 70 permit shall be submitted to the administrative authority no later than six months prior to the permit expiration date. Should a complete permit application not be submitted six months prior to the permit expiration date, a facility's right to operate is terminated pursuant to 40 CFR Section 70.7(c)(ii). Operation may continue under the conditions of this permit during the period of the review of the application for renewal. [LAC 33:III.507.E.1, E.3, E.4, reference 40 CFR 70.6(a)(2)]
- B. The conditions of this permit are severable; and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby. [Reference 40 CFR 70.6(a)(5)]
- C. Permittee shall comply with all conditions of the 40 CFR Part 70 permit. Any permit noncompliance constitutes a violation of the Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [LAC 33:III.507.B.2, reference 40 CFR 70.6(a)(6)(i) & (iii)]
- D. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [Reference 40 CFR 70.6(a)(6)(ii)]
- E. This permit does not convey any property rights of any sort, or an exclusive privilege. [Reference 40 CFR 70.6(a)(6)(iv)]
- F. The permittee shall furnish to the permitting authority, within a reasonable time, any information that the permitting authority may request in writing to determine whether cause exists for modifying, revoking, and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the permitting authority copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality. A claim of confidentiality does not relieve the permittee of the requirement to provide the information. [LAC 33:III.507.B.2, 517.F, reference 40 CFR 70.6(a)(6)(v)]
- G. Permittee shall pay fees in accordance with LAC 33:III.Chapter 2 and 40 CFR Section 70.6(a)(7). [LAC 33:III.501.C.2, reference 40 CFR 70.6(a)(7)]
- H. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the permitting authority or authorized representative to perform the following:
1. enter upon the permittee's premises where a 40 CFR Part 70 source is located or emission-related activity is conducted, or where records must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(i)];

40 CFR PART 70 GENERAL CONDITIONS

2. have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(ii)];
 3. inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iii)]; and
 4. as authorized by the Clean Air Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iv)]
- I. All required monitoring data and supporting information shall be kept available for inspection at the facility or alternate location approved by the agency for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Supporting information includes calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and all reports required by the permit.
[Reference 40 CFR 70.6(a)(3)(ii)(B)]
- J. Records of required monitoring shall include the following:
1. the date, place as defined in the permit, and time of sampling or measurements;
 2. the date(s) analyses were performed;
 3. the company or entity that performed the analyses;
 4. the analytical techniques or methods used;
 5. the results of such analyses; and
 6. the operating conditions as existing at the time of sampling or measurement.
[Reference 40 CFR 70.6(a)(3)(ii)(A)]
- K. Permittee shall submit at least semiannually, reports of any required monitoring, clearly identifying all instances of deviations from permitted monitoring requirements, certified by a responsible company official. For previously reported deviations, in lieu of attaching the individual deviation reports, the semiannual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The semiannual reports shall be submitted to the Office of Environmental Compliance, Surveillance Division by March 31 for the preceding period encompassing July through December and September 30 for the preceding period encompassing January through June. Any quarterly deviation report required to be submitted by March 31 or September 30 in accordance with Part 70 General Condition R may be consolidated with the semi-annual reports required by this general condition as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [LAC 33:III.507.H, reference 40 CFR 70.6(a)(3)(iii)(A)]
- L. The permittee shall submit at least semiannual reports on the status of compliance pursuant to 40 CFR Section 70.5 (c) (8) and a progress report on any applicable schedule of compliance pursuant to 40 CFR Section 70.6 (c) (4). [LAC 33:III.507.H.1, reference 40 CFR 70.6(c)(4)]
- M. Compliance certifications per LAC 33:III.507.H.5 shall be submitted to the Administrator as well as the permitting authority. For previously reported compliance deviations, in lieu of

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attaching the individual deviation reports, the annual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The compliance certifications shall be submitted to the Office of Environmental Compliance, Surveillance Division by March 31 for the preceding calendar year. [LAC 33:III.507.H.5, reference 40 CFR 70.6(c)(5)(iv)]

- N. If the permittee seeks to reserve a claim of an affirmative defense as provided in LAC 33:III.507.J.2, the permittee shall, in addition to any emergency or upset provisions in any applicable regulation, notify the permitting authority within 2 working days of the time when emission limitations were exceeded due to the occurrence of an upset. In the event of an upset, as defined under LAC 33:III.507.J, which results in excess emissions, the permittee shall demonstrate through properly signed, contemporaneous operating logs, or other relevant evidence that: 1) an emergency occurred and the cause was identified; 2) the permitted facility was being operated properly at the time; and 3) during the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standard or requirement of the permit. [LAC 33:III.507.J.2, reference 40 CFR 70.6(g)(3)(iv) & (i-iii)]
- O. Permittee shall maintain emissions at a level less than or equal to that provided for under the allowances that the 40 CFR Part 70 source lawfully holds under Title IV of the Clean Air Act or the regulations promulgated thereunder. No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the acid rain program, provided that such increases do not require a permit revision under any other applicable requirement. No limit shall be placed on the number of allowances held by the source. The source may not, however, use allowances as a defense to noncompliance with any other applicable requirement. Any such allowance shall be accounted for according to the procedures established in regulations promulgated under Title IV of the Clean Air Act. [Reference 40 CFR 70.6(a)(4)]
- P. Any permit issued pursuant to 40 CFR Part 70 may be subject to reopening prior to the expiration of the permit for any of the conditions specified in 40 CFR Section 70.7(f) or LAC 33:III.529. [LAC 33:III.529.A-B, reference 40 CFR 70.7(f)]
- Q. Permittee may request an administrative amendment to the permit to incorporate test results from compliance testing if the following criteria are met:
1. the changes are a result of tests performed upon start-up of newly constructed, installed, or modified equipment or operations;
 2. increases in permitted emissions will not exceed five tons per year for any regulated pollutant;
 3. increases in permitted emissions of Louisiana toxic air pollutants or of federal hazardous air pollutants would not constitute a modification under LAC 33:III. Chapter 51 or under Section 112 (g) of the Clean Air Act;
 4. changes in emissions would not require new source review for prevention of significant deterioration or nonattainment and would not trigger the applicability of any federally applicable requirement;

40 CFR PART 70 GENERAL CONDITIONS

5. changes in emissions would not qualify as a significant modification; and
 6. the request is submitted no later than 12 months after commencing operation. [LAC 33:III.523.A, reference 40 CFR 70.7(d)]
- R. Permittee shall submit prompt reports of all permit deviations as specified below to the Office of Environmental Compliance, Surveillance Division. All such reports shall be certified by a responsible official in accordance with 40 CFR 70.5(d).
1. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
 2. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
 3. A written report shall be submitted quarterly to address all permit deviations not included in paragraphs 1 or 2 above. Unless required by an applicable reporting requirement, a written report is not required during periods in which there is no deviation. The quarterly deviation reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by Part 70 General Condition K as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. For previously reported permit deviations, in lieu of attaching the individual deviation reports, the quarterly report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any permit deviations occurring during the corresponding specified calendar quarter:
 - a. Report by June 30 to cover January through March
 - b. Report by September 30 to cover April through June
 - c. Report by December 31 to cover July through September
 - d. Report by March 31 to cover October through December
 4. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided such reports are certified in accordance with 40 CFR 70.5(d) and contain all information relevant to the permit deviation. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107. [Reference 40 CFR 70.6(a)(3)(iii)(B)]
- S. Permittee shall continue to comply with applicable requirements on a timely basis, and will meet on a timely basis applicable requirements that become effective during the permit term. [Reference 40 CFR 70.5(c)(8)(iii)]

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- T. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
1. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156;
 2. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158;
 3. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161;
 4. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with recordkeeping requirements pursuant to 40 CFR 82.166. ("MVAC-like appliance" as defined at 40 CFR 82.152);
 5. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to 40 CFR 82.156; and
 6. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166. [Reference 40 CFR 82, Subpart F]
- U. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners.

The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant. [Reference 40 CFR 82, Subpart B]

- V. Data availability for continuous monitoring or monitoring to collect data at specific intervals: Except for monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks and required zero and span adjustments), the permittee shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the emissions unit is operating. For purposes of reporting monitoring deviations under Part 70 General Conditions K and R, and unless otherwise provided for in the Specific Requirements (or Table 3) of this permit, the minimum degree of data availability shall be at least 90% (based on a monthly average) of the operating time of the emissions unit or activity being monitored. This condition does not apply to Leak Detection and Repair (LDAR) programs for fugitive emissions (e.g., 40 CFR 60 Subpart VV, 40 CFR 63 Subpart H).

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

- I. This permit is issued on the basis of the emissions reported in the application for approval of emissions and in no way guarantees that the design scheme presented will be capable of controlling the emissions to the type and quantities stated. Failure to install, properly operate and/or maintain all proposed control measures and/or equipment as specified in the application and supplemental information shall be considered a violation of the permit and LAC 33:III.501. *If the emissions are determined to be greater than those allowed by the permit (e.g. during the shakedown period for new or modified equipment) or if proposed control measures and/or equipment are not installed or do not perform according to design efficiency, an application to modify the permit must be submitted.* All terms and conditions of this permit shall remain in effect unless and until revised by the permitting authority.

- II. The permittee is subject to all applicable provisions of the Louisiana Air Quality Regulations. Violation of the terms and conditions of the permit constitutes a violation of these regulations.

- III. The Emission Rates for Criteria Pollutants, Emission Rates for TAP/HAP & Other Pollutants, and Specific Requirements sections or, where included, Emission Inventory Questionnaire sheets establish the emission limitations and are a part of the permit. Any operating limitations are noted in the Specific Requirements or, where included, Tables 2 and 3 of the permit. The synopsis is based on the application and Emission Inventory Questionnaire dated May 12, 2005, along with supplemental information dated October 20, 2005.

- IV. This permit shall become invalid, for the sources not constructed, if:
 - A. Construction is not commenced, or binding agreements or contractual obligations to undertake a program of construction of the project are not entered into, within two (2) years (18 months for PSD permits) after issuance of this permit, or;
 - B. If construction is discontinued for a period of two (2) years (18 months for PSD permits) or more.

The administrative authority may extend this time period upon a satisfactory showing that an extension is justified.

This provision does not apply to the time period between construction of the approved phases of a phased construction project. However, each phase must commence construction within two (2) years (18 months for PSD permits) of its projected and approved commencement date.

- V. The permittee shall submit semiannual reports of progress outlining the status of construction, noting any design changes, modifications or alterations in the construction schedule which have or may have an effect on the emission rates or ambient air quality levels. These reports shall continue to be submitted until such time as construction is certified as being complete. Furthermore, for any significant change in the design, prior approval shall be obtained from the Office of Environmental Services, Air Permits Division.

- VI. The permittee shall notify the Department of Environmental Quality, Office of Environmental Services, Air Permits Division within ten (10) calendar days from the date that construction is

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

certified as complete and the estimated date of start-up of operation. The appropriate Regional Office shall also be so notified within the same time frame.

- VII. Any emissions testing performed for purposes of demonstrating compliance with the limitations set forth in paragraph III shall be conducted in accordance with the methods described in the Specific Conditions and, where included, Tables 1, 2, 3, 4, and 5 of this permit. Any deviation from or modification of the methods used for testing shall have prior approval from the Office of Environmental Assessment, Air Quality Assessment Division.
- VIII. The emission testing described in paragraph VII above, or established in the specific conditions of this permit, shall be conducted within sixty (60) days after achieving normal production rate or after the end of the shakedown period, but in no event later than 180 days after initial start-up (or restart-up after modification). The Office of Environmental Assessment, Air Quality Assessment Division shall be notified at least (30) days prior to testing and shall be given the opportunity to conduct a pretest meeting and observe the emission testing. The test results shall be submitted to the Air Quality Assessment Division within sixty (60) days after the complete testing. As required by LAC 33:III.913, the permittee shall provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- IX. The permittee shall, within 180 days after start-up and shakedown of each project or unit, report to the Office of Environmental Compliance, Surveillance Division any significant difference in operating emission rates as compared to those limitations specified in paragraph III. This report shall also include, but not be limited to, malfunctions and upsets. A permit modification shall be submitted, if necessary, as required in Condition I.
- X. The permittee shall retain records of all information resulting from monitoring activities and information indicating operating parameters as specified in the specific conditions of this permit for a minimum of at least five (5) years.
- XI. If for any reason the permittee does not comply with, or will not be able to comply with, the emission limitations specified in this permit, the permittee shall provide the Office of Environmental Compliance, Surveillance Division with a written report as specified below.
- A. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
 - B. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
 - C. A written report shall be submitted quarterly to address all emission limitation exceedances not included in paragraphs A or B above. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any emission limitation exceedances occurring during the corresponding specified calendar quarter:
 - 1. Report by June 30 to cover January through March
 - 2. Report by September 30 to cover April through June
 - 3. Report by December 31 to cover July through September

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

4. Report by March 31 to cover October through December

D. Each report submitted in accordance with this condition shall contain the following information:

1. Description of noncomplying emission(s);
2. Cause of noncompliance;
3. Anticipated time the noncompliance is expected to continue, or if corrected, the duration of the period of noncompliance;
4. Steps taken by the permittee to reduce and eliminate the noncomplying emissions; and
5. Steps taken by the permittee to prevent recurrences of the noncomplying emissions.

E. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided all information specified above is included. For Part 70 sources, reports submitted in accordance with Part 70 General Condition R shall serve to meet the requirements of this condition provided all specified information is included. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107.

XII. Permittee shall allow the authorized officers and employees of the Department of Environmental Quality, at all reasonable times and upon presentation of identification, to:

- A. Enter upon the permittee's premises where regulated facilities are located, regulated activities are conducted or where records required under this permit are kept;
- B. Have access to and copy any records that are required to be kept under the terms and conditions of this permit, the Louisiana Air Quality Regulations, or the Act;
- C. Inspect any facilities, equipment (including monitoring methods and an operation and maintenance inspection), or operations regulated under this permit; and
- D. Sample or monitor, for the purpose of assuring compliance with this permit or as otherwise authorized by the Act or regulations adopted thereunder, any substances or parameters at any location.

XIII. If samples are taken under Section XII.D. above, the officer or employee obtaining such samples shall give the owner, operator or agent in charge a receipt describing the sample obtained. If requested prior to leaving the premises, a portion of each sample equal in volume or weight to the portion retained shall be given to the owner, operator or agent in charge. If an analysis is made of such samples, a copy of the analysis shall be furnished promptly to the owner, operator or agency in charge.

XIV. The permittee shall allow authorized officers and employees of the Department of Environmental Quality, upon presentation of identification, to enter upon the permittee's

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

premises to investigate potential or alleged violations of the Act or the rules and regulations adopted thereunder. In such investigations, the permittee shall be notified at the time entrance is requested of the nature of the suspected violation. Inspections under this subsection shall be limited to the aspects of alleged violations. However, this shall not in any way preclude prosecution of all violations found.

- XV. The permittee shall comply with the reporting requirements specified under LAC 33:III.919 as well as notification requirements specified under LAC 33:III.927.
- XVI. In the event of any change in ownership of the source described in this permit, the permittee and the succeeding owner shall notify the Office of Environmental Services, Air Permits Division, within ninety (90) days after the event, to amend this permit.
- XVII. Very small emissions to the air resulting from routine operations, that are predictable, expected, periodic, and quantifiable and that are submitted by the permitted facility and approved by the Air Permits Division are considered authorized discharges. Approved activities are noted in the General Condition XVII Activities List of this permit. To be approved as an authorized discharge, these very small releases must:
1. Generally be less than 5 TPY
 2. Be less than the minimum emission rate (MER)
 3. Be scheduled daily, weekly, monthly, etc., or
 4. Be necessary prior to plant startup or after shutdown [line or compressor pressuring/depressuring for example]

These releases are not included in the permit totals because they are small and will have an insignificant impact on air quality. This general condition does not authorize the maintenance of a nuisance, or a danger to public health and safety. The permitted facility must comply with all applicable requirements, including release reporting under LAC 33:I.3901.

- XVIII. Provisions of this permit may be appealed in writing pursuant to La. R.S. 30:2024(A) within 30 days from receipt of the permit. Only those provisions specifically appealed will be suspended by a request for hearing, unless the secretary or the assistant secretary elects to suspend other provisions as well. Construction cannot proceed except as specifically approved by the secretary or assistant secretary. A request for hearing must be sent to the following:

Attention: Office of the Secretary, Legal Services Division
La. Dept. of Environmental Quality
Post Office Box 4302
Baton Rouge, Louisiana 70821-4302

- XIX. Certain Part 70 general conditions may duplicate or conflict with state general conditions. To the extent that any Part 70 conditions conflict with state general conditions, then the Part 70 general conditions control. To the extent that any Part 70 general conditions duplicate any state general conditions, then such state and Part 70 provisions will be enforced as if there is only one condition rather than two conditions.

APPENDIX A

**MANSFIELD MILL
INTERNATIONAL PAPER COMPANY
MANSFIELD, DESOTO PARISH, LOUISIANA
AI NO. 328**

Compliance Assurance Monitoring (CAM) Summary

CAM Requirement	No. 1 Power Boiler (01-78), EQT 5	No. 2 Power Boiler (02-78), EQT 35
Control Device(s)	Multicyclone/ESP (PM)	Multicyclone/ESP (PM)
Is the unit a major source post control?	Yes – post control emissions are 332.9 tpy PM	Yes – post control emissions are 332.9 tpy PM
Applicable PM limit	PM based on NSPS Subpart D (0.1 lb/MMBtu)	PM based on NSPS Subpart D (0.1 lb/MMBtu)
Performance indicator, monitoring approach, and monitoring frequency	The existing continuous opacity monitoring system (COMS) will be used as a continuous indicator of proper operation of the boiler and control devices.	The existing continuous opacity monitoring system (COMS) will be used as a continuous indicator of proper operation of the boiler and control devices.
Justification for parameters selected	An increase in opacity from the ESP indicates an increase in PM emissions. During normal operation, opacity typically is 5% or less and there is a large margin of compliance with the PM limit (last test averaged 0.012 lb PM/MMBtu, 2% opacity).	An increase in opacity from the ESP indicates an increase in PM emissions. During normal operation, opacity typically is 5% or less and there is a large margin of compliance with the PM limit (last test averaged 0.012 lb PM/MMBtu, 2% opacity).
Indicator ranges	Opacity <20%	Opacity <20%
Quality Assurance/Quality Control (QA/QC) Practices	Daily zero/span check of the opacity monitor and ongoing program of preventative maintenance activities.	Daily zero/span check of the opacity monitor and ongoing program of preventative maintenance activities.
Monitoring data averaging period	6 minutes	6 minutes
Data collection procedures	COMS data acquisition system records opacity data and periods of calibration.	COMS data acquisition system records opacity data and periods of calibration.
APCD bypass monitoring	Bypass of the ESP is not possible.	Bypass of the ESP is not possible.

APPENDIX A

**MANSFIELD MILL
INTERNATIONAL PAPER COMPANY
MANSFIELD, DESOTO PARISH, LOUISIANA
AI NO. 328**

Compliance Assurance Monitoring (CAM) Summary

CAM Requirement	Oxidized Starch Silo (33-93), EQT 12	Lime Slaker (08-78), EQT 14
Control Device(s)	Baghouse	Scrubber
Is the unit a major source post control?	No – post control emissions are 0.8 tpy.	No – post control emissions are 5.3 tpy
Applicable PM limit	1.8 lb/hr, 0.8 tpy – permit limits	2.1 lb/hr, 5.3 tpy – permit limits
Performance indicator, monitoring approach, and monitoring frequency	The starch silo outlet is observed for any visible emissions during starch unloading.	Minimum liquid flow to ensure a vacuum in the stack or PM emissions below 2.1 lb/hr and 5.3 tpy.
Justification for parameters selected	If visible emissions are observed, the baghouse is not operating properly.	The control device is a natural draft scrubber, where liquid is sprayed into the stack, which collects PM. The Mill will establish a minimum flow that will reduce PM below permitted emission rates. If the scrubber flow is above the minimum value established, the control device is working properly.
Indicator ranges	No visible emissions. If VE are observed, unloading will be discontinued and the operator will take corrective action.	If there is less than the established liquid flow, an alarm sounds. If the pump cannot be started immediately, the slaker is shut down. The scrubber flow will be interlocked with the lime metering screw to the slaker bowl.
Quality Assurance/Quality Control (QA/QC) Practices	Preventive maintenance and calibration per manufacturer's recommendations.	Preventive maintenance and calibration per manufacturer's recommendations.
Monitoring data averaging period	<i>None.</i>	<i>None.</i>
Data collection procedures	Documentation of any maintenance performed as a result of visible emissions observations.	Documentation of any maintenance performed as a result of visible emissions observations.
APCD bypass monitoring	No bypass is possible.	No bypass is possible.

APPENDIX A

MANSFIELD MILL
INTERNATIONAL PAPER COMPANY
MANSFIELD, DESOTO PARISH, LOUISIANA
AI NO. 328

Compliance Assurance Monitoring (CAM) Summary

A-2

CAM Requirement	Pearl Starch Silo (61-01), EQT 22	Cationic Starch Silo (32-93), EQT 184
Control Device(s)	Baghouse	Baghouse
Is the unit a major source post control?	No -- post control emissions are 0.5 tpy.	No -- post control emissions are 0.5 tpy.
Applicable PM limit	1.8 lb/hr, 0.5 tpy -- permit limits	1.8 lb/hr, 0.5 tpy -- permit limits
Performance indicator, monitoring approach, and monitoring frequency	The starch silo outlet is observed for any visible emissions during starch unloading.	The starch silo outlet is observed for any visible emissions during starch unloading.
Justification for parameters selected	If visible emissions are observed, the baghouse is not operating properly.	If visible emissions are observed, the baghouse is not operating properly.
Indicator ranges	No visible emissions. If VE are observed, unloading will be discontinued and the operator will take corrective action.	No visible emissions. If VE are observed, unloading will be discontinued and the operator will take corrective action.
Quality Assurance/Quality Control (QA/QC) Practices	Preventive maintenance and calibration per manufacturer's recommendations.	Preventive maintenance and calibration per manufacturer's recommendations.
Monitoring data averaging period	None.	None.
Data collection procedures	Documentation of any maintenance performed as a result of visible emissions observations.	Documentation of any maintenance performed as a result of visible emissions observations.
APCD bypass monitoring	No bypass is possible.	No bypass is possible.

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General Information

AI ID: 328 International Paper Co - Mansfield Mill
Activity Number: PER20050002
Permit Number: 0760-00006-V7
Air - Title V Regular Permit Major Mod

Also Known As:

ID	Name	User Group	Start Date
0760-00006	International Paper Co - Mansfield Mill	CDS Number	05-27-1993
0760-0006	International Paper Co - Mansfield Mill	Emission Inventory	03-03-2004
13-0872805	Federal Tax ID	Federal Tax ID	11-21-1999
LAD000531630	International Paper	Hazardous Waste Notification	08-18-1980
LA0056651	WPC File Number	LPDES Permit #	06-25-2003
LAR05M303	WPC File Number	LPDES Permit #	05-22-2003
LAR10A881	WPC File Number	LPDES Permit #	05-22-2003
LAR10B109	WPC File Number	LPDES Permit #	05-22-2003
WP0483	WPC State Permit Number	LWDPS Permit #	06-25-2003
LA-4039-L01	Radioactive Material License	Radiation License Number	10-02-2000
GTD-031-0845	SW ID#	Solid Waste Facility No.	04-30-2001
17308	International Paper Co - Mansfield Mill	TEMPO Merge	05-31-2001
19548	International Paper Co - Mansfield Mill	TEMPO Merge	05-31-2001
41910	Intl Paper Rri & Fs	TEMPO Merge	05-31-2001
83294	Phase III Mansfield Mill Solid Waste Facility	TEMPO Merge	12-15-2003
0760-0006	Toxic Emissions Data Inventory #	Toxic Emissions Data Inventory #	01-01-1991
71052NTRNTHWY50	TRI #	Toxic Release Inventory	07-14-2004
16011836	UST Facility ID (from UST legacy data)	Underground Storage Tanks	10-11-2002
13638	Waste Tires	Waste Tire Facility ID Number	07-22-2005
17468	International Paper Co - Mansfield Mill	Water Permitting	11-21-1999

Physical Location:

1202 Hwy 509
Mansfield, LA 71052

Main FAX: 3188724779
Main Phone: 3188725100

Mailing Address:

1202 Hwy 509
Mansfield, LA 71052

Location of Front Gate:

32° 9' 24" 20 hundredths latitude, 93° 33' 14" 30 hundredths longitude, Coordinate Method: GPS-Unspecified, Coordinate Datum: NAD83

Related People:

Name	Mailing Address	Phone (Type)	Relationship
Teresa Bedsole	PO Box 999 Mansfield, LA 710520999	3188725100 (WP)	Radiation Safety Officer for
Teresa Bedsole	PO Box 999 Mansfield, LA 710520999	3188725100 (WP)	Water Permit Contact For
Teresa Bedsole	PO Box 999 Mansfield, LA 710520999	3188725100 (WP)	Accident Prevention Contact for
Teresa Bedsole	PO Box 999 Mansfield, LA 710520999	3188725100 (WP)	Solid Waste Billing Party for
Teresa Bedsole	PO Box 999 Mansfield, LA 710520999	3188725100 (WP)	Water Billing Party for
Teresa Bedsole	PO Box 999 Mansfield, LA 710520999	3188725100 (WP)	Accident Prevention Billing Party for

General Information

AI ID: 328 International Paper Co - Mansfield Mill
Activity Number: PER20050002
Permit Number: 0760-00006-V7
Air - Title V Regular Permit Major Mod

Related People:	Name	Mailing Address	Phone (Type)	Relationship
	Teresa Bedsole	PO Box 999 Mansfield, LA 710520999	3188725100 (WP)	Haz. Waste Billing Party for
	Teresa Bedsole	PO Box 999 Mansfield, LA 710520999	3188725100 (WP)	Underground Storage Tank Contact for
	F. Michael Craft	1202 Hwy 509 Mansfield, LA 71052	3188725100 (WP)	Responsible Official for
Related Organizations:	Name	Address	Phone (Type)	Relationship
	International Paper Co	1202 Hwy 509 Mansfield, LA 71052	3188711572 (WP)	Operates
	International Paper Co	1202 Hwy 509 Mansfield, LA 71052	3188711572 (WP)	Air Billing Party for
	International Paper Co	1202 Hwy 509 Mansfield, LA 71052	3188711572 (WP)	Owms
	International Paper Co	PO Box 999 Mansfield, LA 710520999		Radiation License Billing Party for
SIC Codes:	2611, Pulp mills			

Note: This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit. Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Mr. David Ferrand, Environmental Assistance Division, at (225) 219-3247 or email your changes to facupdate@la.gov.

INVENTORIES

AI ID: 328 - International Paper Co - Mansfield Mill
 Activity Number: PER20050002
 Permit Number: 0760-00006-V7
 Air - Title V Regular Permit Major Mod

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
ARE005	25-93 - Landfill					8760 hr/yr (All Year)
ARE009	No. 1 and No. 2 Evaporator 6th Effect Foul Condensate					8760 hr/yr (All Year)
ARE010	No. 1 and No. 2 Evaporator Surface Condenser Foul Condensate					8760 hr/yr (All Year)
ARE011	No. 1 and No. 2 Evaporator 6th Effect Combined Condensate					8760 hr/yr (All Year)
ARE012	No. 1 and No. 2 Evaporator Surface Condenser Combined Condensate					8760 hr/yr (All Year)
ARE013	Primary and/or Secondary Digester Relief Condensate (on Pine)					8760 hr/yr (All Year)
ARE014	Secondary Digester Relief Condensate (on hardwood)					8760 hr/yr (All Year)
ARE015	Semi-chemical Digester Relief Condensate					8760 hr/yr (All Year)
ARE016	Powerhouse NCG/Condensate Separator Condensate					8760 hr/yr (All Year)
EQT005	1-78 - No. 1 Power Boiler					8760 hr/yr (All Year)
EQT006	3-78 - Lime Kiln					8760 hr/yr (All Year)
EQT007	13-93 - Gas Turbine/HRSG Stack					8760 hr/yr (All Year)
EQT008	56-98b - Crude Tail Oil - Tall Oil Reactor Scrubber					8760 hr/yr (All Year)
EQT009	42-96 - Soda Ash Unloading					8760 hr/yr (All Year)
EQT010	57-99 - HVLC Incinerator					8760 hr/yr (All Year)
EQT012	33-93 - Oxidized Starch Silo					867 hr/yr (All Year)
EQT013	24-93 - Wastewater Treatment					8760 hr/yr (All Year)
EQT014	8-78 - Lime Slaker/Lime Handling					8760 hr/yr (All Year)
EQT015	6-78 - No. 1 Smelt Dissolving Tank					8760 hr/yr (All Year)
EQT016	45-96 - No. 2 Fuel Oil Bulk Tank	10000 gallons				8760 hr/yr (All Year)
EQT017	28-93j - Process Liquor Tanks - Soap Skimmer Tank (No. 1)					8760 hr/yr (All Year)
EQT018	36-96 - Caterpillar Back-up Diesel Air Compressor (No. 1)					1800 hr/yr (All Year)
EQT019	53-96 - Boiler Feedwater/Steam Condensate Treatment Operations					8760 hr/yr (All Year)
EQT021	34-93 - Talc Silo					658 hr/yr (All Year)
EQT022	61-01 - Pearl Starch Silo					578 hr/yr (All Year)
EQT023	56-98a - Crude Tail Oil - Soap Unloading Facilities					8760 hr/yr (All Year)
EQT024	56-98i - Crude Tail Oil - Tail Oil Loading Facilities					8760 hr/yr (All Year)
EQT025	9-78 - NCG Incinerator					8760 hr/yr (All Year)
EQT026	38-96 - Auxiliary Diesel Generator (No. 1)					1400 hr/yr (All Year)
EQT027	39-96 - Auxiliary Diesel Generator (No. 2)					1400 hr/yr (All Year)
EQT028	46-96 - Detroit Diesel Fire-Water Pump No. 2					1400 hr/yr (All Year)
EQT029	47-96 - Detroit Diesel Fire-Water Pump No. 3					1400 hr/yr (All Year)
EQT030	48-96 - Clarifier Diesel Engine "Big Bubba"					2500 hr/yr (All Year)
EQT031	49-96 - Waste Clarifier Diesel Engine					1400 hr/yr (All Year)
EQT032	50-96 - Administration Building Diesel Generator					1400 hr/yr (All Year)

INVENTORIES

AI ID: 328 - International Paper Co - Mansfield Mill
 Activity Number: PER20050002
 Permit Number: 0760-00006-V7
 Air - Title V Regular Permit Major Mod

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
EQT033	51-96 - Effluent Lift Pit Diesel Engine					1400 hr/yr (All Year)
EQT034	52-96 - Mud Storage Diesel Generator					1400 hr/yr (All Year)
EQT035	2-78 - No. 2 Power Boiler					8760 hr/yr (All Year)
EQT036	4-78 - No. 1 Recovery Boiler					8760 hr/yr (All Year)
EQT037	5-78 - No. 2 Recovery Boiler					8760 hr/yr (All Year)
EQT038	7-78 - No. 2 Smelt Dissolving Tank					8760 hr/yr (All Year)
EQT039	20-93e - No. 1 Paper Machine - No. 1 White Water Storage Tank					8760 hr/yr (All Year)
EQT040	20-93f - No. 1 Paper Machine - No. 2 White Water Storage Tank					8760 hr/yr (All Year)
EQT041	20-93h - No. 1 Paper Machine - No. 1 Broke Storage Tank					8760 hr/yr (All Year)
EQT042	20-93i - No. 1 Paper Machine - No. 2 Broke Storage Tank					8760 hr/yr (All Year)
EQT043	20-93j - Linerboard Whitewater Tank					8760 hr/yr (All Year)
EQT044	21-93e - No. 2 Paper Machine - White Water Storage Tank					8760 hr/yr (All Year)
EQT045	21-93g - No. 2 Paper Machine - Broke Storage Tank					8760 hr/yr (All Year)
EQT046	21-93h - Corrugated Medium Whitewater Tank					8760 hr/yr (All Year)
EQT047	22-01p - No. 3 Paper Machine - T/S Reclaims/Reject Tank					8760 hr/yr (All Year)
EQT048	22-93b - No. 3 Paper Machine - High Density Thickener Tank					8760 hr/yr (All Year)
EQT049	22-93f - No. 3 Paper Machine - T/S Excess White Water Tank					8760 hr/yr (All Year)
EQT050	22-93h - No. 3 Paper Machine - Filtered White Water Tank					8760 hr/yr (All Year)
EQT051	22-93i - No. 3 Paper Machine - B/S White Water Storage Tank					8760 hr/yr (All Year)
EQT052	22-93j - No. 3 Paper Machine - T/S White Water Storage Tank					8760 hr/yr (All Year)
EQT053	22-93l - No. 3 Paper Machine - Broke Storage Tank					8760 hr/yr (All Year)
EQT054	28-93a - Process Liquor Tanks - Primary Weak Black Liquor Storage Tank East					8760 hr/yr (All Year)
EQT055	28-93b - Process Liquor Tanks - Primary Weak Black Liquor Storage Tank West					8760 hr/yr (All Year)
EQT056	28-93c - Process Liquor Tanks - Secondary Weak Black Liquor Storage Tank					8760 hr/yr (All Year)
EQT057	28-93d - Process Liquor Tanks - Semichemical Weak Black Liquor Storage Tank					8760 hr/yr (All Year)
EQT058	28-93e - Process Liquor Tanks - Swing Weak Black Liquor Storage Tank					8760 hr/yr (All Year)
EQT059	28-93f - Process Liquor Tanks - No. 1 Intermediate Black Liquor Storage Tank					8760 hr/yr (All Year)
EQT060	28-93g - Process Liquor Tanks - No. 2 Intermediate Black Liquor Storage Tank					8760 hr/yr (All Year)
EQT061	28-93h - Process Liquor Tanks - Heavy Black Liquor Storage Tank					8760 hr/yr (All Year)
EQT062	28-93k - Process Liquor Tanks - Soap Skimmer Tank (No. 2)					8760 hr/yr (All Year)
EQT063	28-93l - Process Liquor Tanks - Soap Collection Tank (No. 1)					8760 hr/yr (All Year)
EQT064	28-93m - Process Liquor Tanks - Soap Collection Tank (No. 2)					8760 hr/yr (All Year)

INVENTORIES

AI ID: 328 - International Paper Co - Mansfield Mill
 Activity Number: PER20050002
 Permit Number: 0760-00006-V7
 Air - Title V Regular Permit Major Mod

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
EQT065	28-93n - Process Liquor Tanks - Soap Storage Tank					8760 hr/yr (All Year)
EQT066	28-93o - Boilout Tank					8760 hr/yr (All Year)
EQT067	28-93p - No. 1 Spill Tank					8760 hr/yr (All Year)
EQT068	28-93q - No. 2 Spill Tank					8760 hr/yr (All Year)
EQT069	28-93r - #1 RB Black Liquor Dump Tank					8760 hr/yr (All Year)
EQT070	28-93s - #2 RB Black Liquor Dump Tank					8760 hr/yr (All Year)
EQT071	29-93a - Causticizing Area - No. 1 Green Liquor Clarifier					8760 hr/yr (All Year)
EQT072	29-93b - Causticizing Area - No. 2 Green Liquor Clarifier					8760 hr/yr (All Year)
EQT073	29-93c - Causticizing Area - No. 1 Green Liquor Storage Tank					8760 hr/yr (All Year)
EQT074	29-93d - Causticizing Area - No. 2 Green Liquor Storage Tank					8760 hr/yr (All Year)
EQT075	29-93j - Causticizing Area - No. 1 Weak Wash Tank					8760 hr/yr (All Year)
EQT076	29-93k - Causticizing Area - No. 2 Weak Wash Tank					8760 hr/yr (All Year)
EQT077	29-93l - Causticizing Area - No. 1 White Liquor Clarifier					8760 hr/yr (All Year)
EQT078	29-93m - Causticizing Area - No. 2 White Liquor Clarifier					8760 hr/yr (All Year)
EQT079	29-93n - Causticizing Area - No. 1 White Liquor Storage Tank					8760 hr/yr (All Year)
EQT080	29-93o - Causticizing Area - No. 2 White Liquor Storage Tank					8760 hr/yr (All Year)
EQT081	29-93p - Causticizing Area - No. 3 White Liquor Storage Tank					8760 hr/yr (All Year)
EQT082	29-93q - Causticizing Area - Lime Mud Mix Tank					8760 hr/yr (All Year)
EQT083	29-93t - Causticizing Area - Lime Mud Storage Tank					8760 hr/yr (All Year)
EQT084	29-93v - Waste Clarifier					8760 hr/yr (All Year)
EQT085	29-93w - Sodium Hydrosulfide Tank #1					8760 hr/yr (All Year)
EQT086	29-93x - Sodium Hydrosulfide Tank #2					8760 hr/yr (All Year)
EQT087	31-93i - Pulp Mill Tanks - Primary High Density Storage Chest A					8760 hr/yr (All Year)
EQT088	31-93j - Pulp Mill Tanks - Primary High Density Storage Chest B					8760 hr/yr (All Year)
EQT089	31-93k - Pulp Mill Tanks - Primary High Density Storage Chest C					8760 hr/yr (All Year)
EQT090	31-93l - Pulp Mill Tanks - Secondary High Density Storage Chest					8760 hr/yr (All Year)
EQT091	31-93m - Pulp Mill Tanks - Semichemical High Density Storage Chest					8760 hr/yr (All Year)
EQT092	31-93n - Pine Digester Dump Tank					8760 hr/yr (All Year)
EQT093	31-93o - Hardwood Digester Dump Tank					8760 hr/yr (All Year)
EQT094	31-93p - Semichemical Digester Dump Tank					8760 hr/yr (All Year)
EQT096	40-96 - Unleaded Gasoline Bulk Tank					8760 hr/yr (All Year)
EQT097	41-96 - Lime Kiln Gasoline Tank					8760 hr/yr (All Year)
EQT098	43-96 - No. 6 Fuel Oil Storage Tank					8760 hr/yr (All Year)
EQT099	44-96 - Fuel Oil Day Tank (No. 6)					8760 hr/yr (All Year)
EQT100	56-98b - Crude Tall Oil - Soap Receiving Tank					8760 hr/yr (All Year)

INVENTORIES

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20050002
Permit Number: 0760-00006-V7
Air - Title V Regular Permit Major Mod

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
EQT101	56-98c - Crude Tail Oil - Soap Decanting Tank					8760 hr/yr (All Year)
EQT102	56-98d - Crude Tail Oil - Soap Blend Tank					8760 hr/yr (All Year)
EQT103	56-98e - Crude Tail Oil - Sulfuric Acid Storage Tank					8760 hr/yr (All Year)
EQT104	56-98g - Crude Tail Oil - Neutralized Brine Storage Tank					8760 hr/yr (All Year)
EQT105	56-98h - Crude Tail Oil - Brine Feed Tank					8760 hr/yr (All Year)
EQT106	56-98j - Crude Tail Oil - Heel Liquor Sample Tank					8760 hr/yr (All Year)
EQT107	59-00a - Sulfuric Acid Supply Tank					8760 hr/yr (All Year)
EQT108	59-00b - Demin Water Acid Mix Tank					8760 hr/yr (All Year)
EQT109	59-00c - #3 PM Acid Supply Tank					8760 hr/yr (All Year)
EQT110	59-00d - #3 PM Bulk Sulfuric Acid Tank					8760 hr/yr (All Year)
EQT111	14-93 - Repulper #1					8760 hr/yr (All Year)
EQT112	15-93 - Repulper #2					8760 hr/yr (All Year)
EQT113	16-93 - Repulper #3					8760 hr/yr (All Year)
EQT114	20-01n - No. 1 Paper Machine - Semichemical Fiber Sidehill Washing					8760 hr/yr (All Year)
EQT115	20-01o - No. 1 Paper Machine - HW Refiner Low Density Chest					8760 hr/yr (All Year)
EQT116	21-01p - No. 1 Paper Machine - Short Fiber Blend Chest					8760 hr/yr (All Year)
EQT117	20-93a - No. 1 Paper Machine - Grouped Source					8760 hr/yr (All Year)
EQT118	20-93b - No. 1 Paper Machine - Save-all Vent No. 1					8760 hr/yr (All Year)
EQT119	20-93c - No. 1 Paper Machine - Save-all Mixing Chest					8760 hr/yr (All Year)
EQT120	20-93d - No. 1 Paper Machine - Save-all White Water Filtrate Chest					8760 hr/yr (All Year)
EQT121	20-93g - No. 1 Paper Machine - Broke Repulper					8760 hr/yr (All Year)
EQT122	20-93k - #1 PM Secondary Pine Low Density Chest					8760 hr/yr (All Year)
EQT123	20-93l - #1 PM Primary Pine Low Density Chest					8760 hr/yr (All Year)
EQT124	20-93m - #1 PM Hardwood Low Density Chest					8760 hr/yr (All Year)
EQT125	21-04k - No. 2 Paper Machine - No. 2 PM Stock Chest					8760 hr/yr (All Year)
EQT126	21-93a - No. 2 Paper Machine - Grouped Source					8760 hr/yr (All Year)
EQT127	21-93b - No. 2 Paper Machine - Save-all Vent No. 1					8760 hr/yr (All Year)
EQT128	21-93c - No. 2 Paper Machine - Save-all Mixed Stock Chest					8760 hr/yr (All Year)
EQT129	21-93d - No. 2 Paper Machine - Save-all White Water Filtrate Chest					8760 hr/yr (All Year)
EQT130	21-93f - No. 2 Paper Machine - Broke Repulper					8760 hr/yr (All Year)
EQT131	21-93i - #2 PM Pine Low Density Chest					8760 hr/yr (All Year)
EQT132	21-93j - #2 PM Semichemical Low Density Chest					8760 hr/yr (All Year)
EQT133	22-01n - No. 3 Paper Machine - HW Fiber Low Density Chest/Standpipes					8760 hr/yr (All Year)
EQT134	22-01o - No. 3 Paper Machine - Pine Fiber Low Density Chest/Standpipes					8760 hr/yr (All Year)

INVENTORIES

AI ID: 328 - International Paper Co - Mansfield Mill
 Activity Number: PER20050002
 Permit Number: 0760-00006-V7
 Air - Title V Regular Permit Major Mod

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
EQT135	22-93a - No. 3 Paper Machine - Grouped Source					8760 hr/yr (All Year)
EQT136	22-93c - No. 3 Paper Machine - Save-all Vent					8760 hr/yr (All Year)
EQT137	22-93d - No. 3 Paper Machine - Save-all Stock Chest					8760 hr/yr (All Year)
EQT138	22-93g - No. 3 Paper Machine - AES Filters					8760 hr/yr (All Year)
EQT139	22-93k - No. 3 Paper Machine - Brake Repulper					8760 hr/yr (All Year)
EQT140	22-93m - #3 PM Virgin Fiber Low Density Chest					8760 hr/yr (All Year)
EQT141	27-93 - Process Chillers					8760 hr/yr (All Year)
EQT142	29-93e - Causticizing Area - Dregs Filter					8760 hr/yr (All Year)
EQT143	29-93f - Causticizing Area - No. 1 Causticizer					8760 hr/yr (All Year)
EQT144	29-93g - Causticizing Area - No. 2 Causticizer					8760 hr/yr (All Year)
EQT145	29-93h - Causticizing Area - No. 3 Causticizer					8760 hr/yr (All Year)
EQT146	29-93i - Causticizing Area - No. 4 Causticizer					8760 hr/yr (All Year)
EQT147	29-93r - Causticizing Area - No. 1 Lime Mud Washer					8760 hr/yr (All Year)
EQT148	29-93s - Causticizing Area - No. 2 Lime Mud Washer					8760 hr/yr (All Year)
EQT149	29-93u - Causticizing Area - Lime Mud Precoat Filter					8760 hr/yr (All Year)
EQT150	30-93a - Black Liquor Filters - Secondary Black Liquor Filter					8760 hr/yr (All Year)
EQT151	30-93b - Black Liquor Filters - Primary Black Liquor Filter					8760 hr/yr (All Year)
EQT152	60-00 - Fiber Reclaims System					8760 hr/yr (All Year)
EQT153	63-04 - Repulper #4					8760 hr/yr (All Year)
EQT154	64-04 - Repulper #5					8760 hr/yr (All Year)
EQT155	NCG-A - Primary Digester System					8760 hr/yr (All Year)
EQT156	NCG-B - Secondary Digester System					8760 hr/yr (All Year)
EQT157	NCG-C - Semichemical Digester System					8760 hr/yr (All Year)
EQT158	NCG-D - No. 1 Evaporator					8760 hr/yr (All Year)
EQT159	NCG-E - No. 2 Evaporator					8760 hr/yr (All Year)
EQT160	NCG-H - No. 1 Concentrator System					8760 hr/yr (All Year)
EQT161	NCG-I - No. 2 Concentrator System					8760 hr/yr (All Year)
EQT162	NCG-J - Condensate Stripper System					8760 hr/yr (All Year)
EQT163	NCG-K - Turpentine Decanter					8760 hr/yr (All Year)
EQT164	12A-78 - Diffusion Washer Vent A					8760 hr/yr (All Year)
EQT165	12B-78 - Diffusion Washer Vent B					8760 hr/yr (All Year)
EQT166	12C-78 - Diffusion Washer Vent C					8760 hr/yr (All Year)
EQT167	12D-78 - Diffusion Washer Vent D					8760 hr/yr (All Year)
EQT168	12E-78 - Diffusion Washer Vent E					8760 hr/yr (All Year)
EQT169	NCG-L - Turpentine Storage					8760 hr/yr (All Year)
EQT170	28-93i - Stripped Condensate Tank					8760 hr/yr (All Year)
EQT171	31-93a - Primary Filtrate Tank Vent - Washer A (Vent A)					8760 hr/yr (All Year)

INVENTORIES

AI ID: 328 - International Paper Co - Mansfield Mill
 Activity Number: PER20050002
 Permit Number: 0760-00006-V7
 Air - Title V Regular Permit Major Mod

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
EQT172	31-93b - Primary Filtrate Tank Vent - Washer A (Vent B)					8760 hr/yr (All Year)
EQT173	31-93c - Primary Filtrate Tank Vent - Washer B (Vent A)					8760 hr/yr (All Year)
EQT174	31-93d - Primary Filtrate Tank Vent - Washer B (Vent B)					8760 hr/yr (All Year)
EQT175	31-93e - Secondary Filtrate Tank Vent - (Vent A)					8760 hr/yr (All Year)
EQT176	31-93f - Secondary Filtrate Tank Vent - (Vent B)					8760 hr/yr (All Year)
EQT177	31-93g - Semi-chemical Filtrate Tank Vent - (Vent A)					8760 hr/yr (All Year)
EQT178	31-93h - Semi-chemical Filtrate Tank Vent - (Vent B)					8760 hr/yr (All Year)
EQT179	TO-A - Crude Tail Oil-Brine Receiver Tank					8760 hr/yr (All Year)
EQT180	TO-B - Crude Tail Oil-Cleaner Accepts Tank					8760 hr/yr (All Year)
EQT181	TO-C - Crude Tail Oil-Wet CTO Tank					8760 hr/yr (All Year)
EQT182	TO-D - Crude Tail Oil-Dry CTO Tank					8760 hr/yr (All Year)
EQT183	22-93e - No. 3 Paper Machine - B/S Excess White Water Tank					8760 hr/yr (All Year)
EQT184	32-93 - Cationic Starch Silo					578 hr/yr (All Year)
EQT185	NCG-M - Intermediate and High Solids Concentrator System					8760 hr/yr (All Year)
EQT186	65-05 - Clarke Fire-Water Pump		276 horsepower			1400 hr/yr (All Year)
EQT187	66-05 - Lime Kiln Auxiliary Engine		110 horsepower			1400 hr/yr (All Year)
FUG001	17-93 - Coal Storage/Handling					8760 hr/yr (All Year)
FUG002	18-93 - Ash Handling Operations					8760 hr/yr (All Year)
FUG003	19-93 - Bark/Woodwaste/Sludge Handling					8760 hr/yr (All Year)
FUG004	23-93 - Woodyard Grouped Source					8760 hr/yr (All Year)
FUG005	26-93 - Haul Roads					8760 hr/yr (All Year)
FUG006	54-96 - Paint Yard					8760 hr/yr (All Year)

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP002	Paper Machines Emissions Cap	EQT133 22-01n - No. 3 Paper Machine - HW Fiber Low Density Chest/Standpipes
GRP002	Paper Machines Emissions Cap	EQT134 22-01o - No. 3 Paper Machine - Pine Fiber Low Density Chest/Standpipes
GRP002	Paper Machines Emissions Cap	EQT135 22-93a - No. 3 Paper Machine - Grouped Source
GRP002	Paper Machines Emissions Cap	EQT136 22-93c - No. 3 Paper Machine - Save-all Vent
GRP002	Paper Machines Emissions Cap	EQT137 22-93d - No. 3 Paper Machine - Save-all Stock Chest
GRP002	Paper Machines Emissions Cap	EQT138 22-93g - No. 3 Paper Machine - AES Filters
GRP002	Paper Machines Emissions Cap	EQT139 22-93k - No. 3 Paper Machine - Broke Repulper
GRP002	Paper Machines Emissions Cap	EQT140 22-93m - #3 PM Virgin Fiber Low Density Chest
GRP002	Paper Machines Emissions Cap	EQT153 63-04 - Repulper #4
GRP002	Paper Machines Emissions Cap	EQT47 22-01p - No. 3 Paper Machine - T/S Reclaims/Reject Tank
GRP002	Paper Machines Emissions Cap	EQT46 21-93h - Corrugated Medium Whitewater Tank

INVENTORIES

AI ID: 328 - International Paper Co - Mansfield Mill
 Activity Number: PER20050002
 Permit Number: 0760-00006-V7
 Air - Title V Regular Permit Major Mod

Subject Item Groups:		Included Components (from Above)	
ID	Description		
GRP002	Paper Machines Emissions Cap	EQT45	21-93g - No. 2 Paper Machine - Broke Storage Tank
GRP002	Paper Machines Emissions Cap	EQT44	21-93e - No. 2 Paper Machine - White Water Storage Tank
GRP002	Paper Machines Emissions Cap	EQT43	20-93j - Linerboard Whitewater Tank
GRP002	Paper Machines Emissions Cap	EQT42	20-93i - No. 1 Paper Machine - No. 2 Broke Storage Tank
GRP002	Paper Machines Emissions Cap	EQT41	20-93h - No. 1 Paper Machine - No. 1 Broke Storage Tank
GRP002	Paper Machines Emissions Cap	EQT40	20-93f - No. 1 Paper Machine - No. 2 White Water Storage Tank
GRP002	Paper Machines Emissions Cap	EQT39	20-93e - No. 1 Paper Machine - No. 1 White Water Storage Tank
GRP002	Paper Machines Emissions Cap	EQT113	16-93 - Repulper #3
GRP002	Paper Machines Emissions Cap	EQT112	15-93 - Repulper #2
GRP002	Paper Machines Emissions Cap	EQT111	14-93 - Repulper #1
GRP002	Paper Machines Emissions Cap	EQT53	22-93i - No. 3 Paper Machine - Broke Storage Tank
GRP002	Paper Machines Emissions Cap	EQT52	22-93j - No. 3 Paper Machine - T/S White Water Storage Tank
GRP002	Paper Machines Emissions Cap	EQT51	22-93i - No. 3 Paper Machine - B/S White Water Storage Tank
GRP002	Paper Machines Emissions Cap	EQT50	22-93h - No. 3 Paper Machine - Filtered White Water Tank
GRP002	Paper Machines Emissions Cap	EQT49	22-93f - No. 3 Paper Machine - T/S Excess White Water Tank
GRP002	Paper Machines Emissions Cap	EQT48	22-93b - No. 3 Paper Machine - High Density Thickener Tank
GRP002	Paper Machines Emissions Cap	EQT132	21-93j - #2 PM Semicheical Low Density Chest
GRP002	Paper Machines Emissions Cap	EQT131	21-93i - #2 PM Pine Low Density Chest
GRP002	Paper Machines Emissions Cap	EQT130	21-93f - No. 2 Paper Machine - Broke Repulper
GRP002	Paper Machines Emissions Cap	EQT129	21-93d - No. 2 Paper Machine - Save-all White Water Filtrate Chest
GRP002	Paper Machines Emissions Cap	EQT128	21-93c - No. 2 Paper Machine - Save-all Mixed Stock Chest
GRP002	Paper Machines Emissions Cap	EQT127	21-93b - No. 2 Paper Machine - Save-all Vent No. 1
GRP002	Paper Machines Emissions Cap	EQT126	21-93a - No. 2 Paper Machine - Grouped Source
GRP002	Paper Machines Emissions Cap	EQT125	21-04k - No. 2 Paper Machine - No. 2 PM Stock Chest
GRP002	Paper Machines Emissions Cap	EQT124	20-93m - #1 PM Hardwood Low Density Chest
GRP002	Paper Machines Emissions Cap	EQT123	20-93l - #1 PM Primary Pine Low Density Chest
GRP002	Paper Machines Emissions Cap	EQT122	20-93k - #1 PM Secondary Pine Low Density Chest
GRP002	Paper Machines Emissions Cap	EQT121	20-93g - No. 1 Paper Machine - Broke Repulper
GRP002	Paper Machines Emissions Cap	EQT120	20-93d - No. 1 Paper Machine - Save-all White Water Filtrate Chest
GRP002	Paper Machines Emissions Cap	EQT119	20-93c - No. 1 Paper Machine - Save-all Mixing Chest
GRP002	Paper Machines Emissions Cap	EQT118	20-93b - No. 1 Paper Machine - Save-all Vent No. 1
GRP002	Paper Machines Emissions Cap	EQT117	20-93a - No. 1 Paper Machine - Grouped Source
GRP002	Paper Machines Emissions Cap	EQT116	21-01p - No. 1 Paper Machine - Short Fiber Blend Chest
GRP002	Paper Machines Emissions Cap	EQT115	20-01o - No. 1 Paper Machine - HW Refiner Low Density Chest
GRP002	Paper Machines Emissions Cap	EQT114	20-01n - No. 1 Paper Machine - Semicheical Fiber Sidehill Washing
GRP002	Paper Machines Emissions Cap	EQT154	64-04 - Repulper #5
GRP002	Paper Machines Emissions Cap	EQT183	22-93e - No. 3 Paper Machine - B/S Excess White Water Tank

INVENTORIES

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP003	Pulping Condensates	ARE9 No. 1 and No. 2 Evaporator 6th Effect Foul Condensate
GRP003	Pulping Condensates	ARE10 No. 1 and No. 2 Evaporator Surface Condenser Foul Condensate
GRP003	Pulping Condensates	ARE11 No. 1 and No. 2 Evaporator 6th Effect Combined Condensate
GRP003	Pulping Condensates	ARE12 No. 1 and No. 2 Evaporator Surface Condenser Combined Condensate
GRP003	Pulping Condensates	ARE13 Primary and/or Secondary Digester Relief Condensate (on Pine)
GRP003	Pulping Condensates	ARE14 Secondary Digester Relief Condensate (on hardwood)
GRP003	Pulping Condensates	ARE15 Semi-chemical Digester Relief Condensate
GRP003	Pulping Condensates	ARE16 Powerhouse NCG/Condensate Separator Condensate
GRP004	LVHC & HVLC Pulping Vents	EQT155 NCG-A - Primary Digester System
GRP004	LVHC & HVLC Pulping Vents	EQT156 NCG-B - Secondary Digester System
GRP004	LVHC & HVLC Pulping Vents	EQT157 NCG-C - Semichemical Digester System
GRP004	LVHC & HVLC Pulping Vents	EQT158 NCG-D - No. 1 Evaporator
GRP004	LVHC & HVLC Pulping Vents	EQT159 NCG-E - No. 2 Evaporator
GRP004	LVHC & HVLC Pulping Vents	EQT160 NCG-H - No. 1 Concentrator System
GRP004	LVHC & HVLC Pulping Vents	EQT161 NCG-I - No. 2 Concentrator System
GRP004	LVHC & HVLC Pulping Vents	EQT162 NCG-J - Condensate Stripper System
GRP004	LVHC & HVLC Pulping Vents	EQT163 NCG-K - Turpentine Decanter
GRP004	LVHC & HVLC Pulping Vents	EQT164 12A-78 - Diffusion Washer Vent A
GRP004	LVHC & HVLC Pulping Vents	EQT165 12B-78 - Diffusion Washer Vent B
GRP004	LVHC & HVLC Pulping Vents	EQT166 12C-78 - Diffusion Washer Vent C
GRP004	LVHC & HVLC Pulping Vents	EQT167 12D-78 - Diffusion Washer Vent D
GRP004	LVHC & HVLC Pulping Vents	EQT168 12E-78 - Diffusion Washer Vent E
GRP004	LVHC & HVLC Pulping Vents	EQT170 28-93f - Stripped Condensate Tank
GRP004	LVHC & HVLC Pulping Vents	EQT171 31-93a - Primary Filtrate Tank Vent - Washer A (Vent A)
GRP004	LVHC & HVLC Pulping Vents	EQT172 31-93b - Primary Filtrate Tank Vent - Washer A (Vent B)
GRP004	LVHC & HVLC Pulping Vents	EQT173 31-93c - Primary Filtrate Tank Vent - Washer B (Vent A)
GRP004	LVHC & HVLC Pulping Vents	EQT174 31-93d - Primary Filtrate Tank Vent - Washer B (Vent B)
GRP004	LVHC & HVLC Pulping Vents	EQT175 31-93e - Secondary Filtrate Tank Vent - (Vent A)
GRP004	LVHC & HVLC Pulping Vents	EQT176 31-93f - Secondary Filtrate Tank Vent - (Vent B)
GRP004	LVHC & HVLC Pulping Vents	EQT177 31-93g - Semi-chemical Filtrate Tank Vent - (Vent A)
GRP004	LVHC & HVLC Pulping Vents	EQT178 31-93h - Semi-chemical Filtrate Tank Vent - (Vent B)
GRP004	LVHC & HVLC Pulping Vents	EQT185 NCG-M - Intermediate and High Solids Concentrator System
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT8 56-98b - Crude Tail Oil - Tall Oil Reactor Scrubber
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT9 42-96 - Soda Ash Unloading
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT14 8-78 - Lime Slaker/Lime Handling
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT15 6-78 - No. 1 Smell Dissolving Tank
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT17 28-93j - Process Liquor Tanks - Soap Skimmer Tank (No. 1)

INVENTORIES

AJ ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT38 7-78 - No. 2 Smelt Dissolving Tank
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT116 21-01p - No. 1 Paper Machine - Short Fiber Blend Chest
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT115 20-01o - No. 1 Paper Machine - HW Refiner Low Density Chest
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT114 20-01n - No. 1 Paper Machine - Semichemical Fiber Sidehill Washing
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT106 56-98j - Crude Tall Oil - Heel Liquor Sample Tank
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT105 56-98h - Crude Tall Oil - Brine Feed Tank
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT104 56-98g - Crude Tall Oil - Neutralized Brine Storage Tank
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT102 56-98d - Crude Tall Oil - Soap Blend Tank
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT101 56-98c - Crude Tall Oil - Soap Decanting Tank
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT100 56-98b - Crude Tall Oil - Soap Receiving Tank
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT94 31-93p - Semichemical Digester Dump Tank
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT93 31-93o - Hardwood Digester Dump Tank
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT92 31-93n - Pine Digester Dump Tank
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT91 31-93m - Pulp Mill Tanks - Semichemical High Density Storage Chest
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT90 31-93l - Pulp Mill Tanks - Secondary High Density Storage Chest
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT89 31-93k - Pulp Mill Tanks - Primary High Density Storage Chest C
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT88 31-93j - Pulp Mill Tanks - Primary High Density Storage Chest B
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT87 31-93i - Pulp Mill Tanks - Primary High Density Storage Chest A
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT84 29-93v - Waste Clarifier
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT83 29-93t - Causticizing Area - Lime Mud Storage Tank
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT82 29-93q - Causticizing Area - Lime Mud Mix Tank
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT81 29-93p - Causticizing Area - No. 3 White Liquor Storage Tank
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT80 29-93o - Causticizing Area - No. 2 White Liquor Storage Tank
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT79 29-93n - Causticizing Area - No. 1 White Liquor Storage Tank
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT78 29-93m - Causticizing Area - No. 2 White Liquor Clarifier
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT77 29-93l - Causticizing Area - No. 1 White Liquor Clarifier
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT76 29-93k - Causticizing Area - No. 2 Weak Wash Tank
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT75 29-93j - Causticizing Area - No. 1 Weak Wash Tank
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT74 29-93d - Causticizing Area - No. 2 Green Liquor Storage Tank
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT73 29-93c - Causticizing Area - No. 1 Green Liquor Storage Tank
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT72 29-93b - Causticizing Area - No. 2 Green Liquor Clarifier
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT71 29-93a - Causticizing Area - No. 1 Green Liquor Clarifier
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT70 28-93s - #2 RB Black Liquor Dump Tank
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT69 28-93r - #1 RB Black Liquor Dump Tank
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT68 28-93q - No. 2 Spill Tank
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT67 28-93p - No. 1 Spill Tank
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT66 28-93o - Boilout Tank

INVENTORIES

AI ID: 328 - International Paper Co - Mansfield Mill
 Activity Number: PER20050002
 Permit Number: 0760-00006-V7
 Air - Title V Regular Permit Major Mod

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT65 28-93n - Process Liquor Tanks - Soap Storage Tank
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT64 28-93m - Process Liquor Tanks - Soap Collection Tank (No. 2)
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT63 28-93l - Process Liquor Tanks - Soap Collection Tank (No. 1)
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT62 28-93k - Process Liquor Tanks - Soap Skimmer Tank (No. 2)
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT61 28-93h - Process Liquor Tanks - Heavy Black Liquor Storage Tank
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT60 28-93g - Process Liquor Tanks - No. 2 Intermediate Black Liquor Storage Tank
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT39 20-93e - No. 1 Paper Machine - No. 1 White Water Storage Tank
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT40 20-93f - No. 1 Paper Machine - No. 2 White Water Storage Tank
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT117 20-93a - No. 1 Paper Machine - Grouped Source
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT118 20-93b - No. 1 Paper Machine - Save-all Vent No. 1
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT119 20-93c - No. 1 Paper Machine - Save-all Mixing Chest
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT120 20-93d - No. 1 Paper Machine - Save-all White Water Filtrate Chest
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT122 20-93k - #1 PM Secondary Pine Low Density Chest
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT123 20-93l - #1 PM Primary Pine Low Density Chest
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT124 20-93m - #1 PM Hardwood Low Density Chest
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT125 21-04k - No. 2 Paper Machine - No. 2 PM Stock Chest
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT126 21-93a - No. 2 Paper Machine - Grouped Source
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT127 21-93b - No. 2 Paper Machine - Save-all Vent No. 1
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT128 21-93c - No. 2 Paper Machine - Save-all Mixed Stock Chest
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT129 21-93d - No. 2 Paper Machine - Save-all White Water Filtrate Chest
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT131 21-93j - #2 PM Pine Low Density Chest
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT132 21-93i - #2 PM Semichemical Low Density Chest
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT41 20-93h - No. 1 Paper Machine - No. 1 Broke Storage Tank
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT133 22-01n - No. 3 Paper Machine - HW Fiber Low Density Chest/Standpipes
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT134 22-01o - No. 3 Paper Machine - Pine Fiber Low Density Chest/Standpipes
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT135 22-93a - No. 3 Paper Machine - Grouped Source
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT136 22-93c - No. 3 Paper Machine - Save-all Vent
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT137 22-93d - No. 3 Paper Machine - Save-all Stock Chest
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT140 22-93m - #3 PM Virgin Fiber Low Density Chest
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT142 29-93e - Causticizing Area - Dregs Filter
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT143 29-93f - Causticizing Area - No. 1 Causticizer
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT50 22-93h - No. 3 Paper Machine - Filtered White Water Tank
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT49 22-93f - No. 3 Paper Machine - T/S Excess White Water Tank
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT48 22-93b - No. 3 Paper Machine - High Density Thickener Tank
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT47 22-01p - No. 3 Paper Machine - T/S Reclaims/Reject Tank
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT46 21-93h - Corrugated Medium Whitewater Tank
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT45 21-93g - No. 2 Paper Machine - Broke Storage Tank

INVENTORIES

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT44 21-93a - No. 2 Paper Machine - White Water Storage Tank
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT43 20-93j - Linerboard Whitewater Tank
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT42 20-93i - No. 1 Paper Machine - No. 2 Broke Storage Tank
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT59 28-93f - Process Liquor Tanks - No. 1 Intermediate Black Liquor Storage Tank
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT58 28-93e - Process Liquor Tanks - Swing Weak Black Liquor Storage Tank
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT57 28-93d - Process Liquor Tanks - Semichemical Weak Black Liquor Storage Tank
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT56 28-93c - Process Liquor Tanks - Secondary Weak Black Liquor Storage Tank
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT55 28-93b - Process Liquor Tanks - Primary Weak Black Liquor Storage Tank West
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT54 28-93a - Process Liquor Tanks - Primary Weak Black Liquor Storage Tank East
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT53 22-93i - No. 3 Paper Machine - Broke Storage Tank
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT52 22-93j - No. 3 Paper Machine - T/S White Water Storage Tank
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT51 22-93i - No. 3 Paper Machine - B/S White Water Storage Tank
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT144 29-93g - Causticizing Area - No. 2 Causticizer
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT145 29-93h - Causticizing Area - No. 3 Causticizer
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT146 29-93i - Causticizing Area - No. 4 Causticizer
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT147 29-93r - Causticizing Area - No. 1 Lime Mud Washer
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT148 29-93s - Causticizing Area - No. 2 Lime Mud Washer
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT149 29-93u - Causticizing Area - Lime Mud Precoat Filter
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT150 30-93a - Black Liquor Filters - Secondary Black Liquor Filter
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT151 30-93b - Black Liquor Filters - Primary Black Liquor Filter
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT152 60-00 - Fiber Reclaims System
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT179 TO-A - Crude Tall Oil-Brine Receiver Tank
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT180 TO-B - Crude Tall Oil-Cleaner Accepts Tank
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT181 TO-C - Crude Tall Oil-Wet CTO Tank
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT182 TO-D - Crude Tall Oil-Dry CTO Tank
GRP005	Sources exempt from LAC 33:III.2115 subject to recordkeeping	EQT183 22-93e - No. 3 Paper Machine - B/S Excess White Water Tank
GRP006	Power Boilers	EQT5 1-78 - No. 1 Power Boiler
GRP006	Power Boilers	EQT35 2-78 - No. 2 Power Boiler
GRP007	Entire Facility	ARE5 25-93 - Landfill
GRP007	Entire Facility	ARE9 No. 1 and No. 2 Evaporator 6th Effect Foul Condensate
GRP007	Entire Facility	ARE10 No. 1 and No. 2 Evaporator Surface Condenser Foul Condensate
GRP007	Entire Facility	ARE11 No. 1 and No. 2 Evaporator 6th Effect Combined Condensate
GRP007	Entire Facility	ARE12 No. 1 and No. 2 Evaporator Surface Condenser Combined Condensate
GRP007	Entire Facility	ARE13 Primary and/or Secondary Digester Relief Condensate (on Pine)
GRP007	Entire Facility	ARE14 Secondary Digester Relief Condensate (on hardwood)
GRP007	Entire Facility	ARE15 Semi-chemical Digester Relief Condensate
GRP007	Entire Facility	EQT46 21-93h - Corrugated Medium Whitewater Tank

INVENTORIES

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP007	Entire Facility	EQT45 21-93g - No. 2 Paper Machine - Broke Storage Tank
GRP007	Entire Facility	EQT44 21-93e - No. 2 Paper Machine - White Water Storage Tank
GRP007	Entire Facility	EQT43 20-93j - Linerboard Whitewater Tank
GRP007	Entire Facility	EQT42 20-93i - No. 1 Paper Machine - No. 2 Broke Storage Tank
GRP007	Entire Facility	EQT41 20-93h - No. 1 Paper Machine - No. 1 Broke Storage Tank
GRP007	Entire Facility	EQT40 20-93f - No. 1 Paper Machine - No. 2 White Water Storage Tank
GRP007	Entire Facility	EQT39 20-93e - No. 1 Paper Machine - No. 1 White Water Storage Tank
GRP007	Entire Facility	EQT38 7-78 - No. 2 Smelt Dissolving Tank
GRP007	Entire Facility	EQT63 28-93l - Process Liquor Tanks - Soap Collection Tank (No. 1)
GRP007	Entire Facility	EQT62 28-93k - Process Liquor Tanks - Soap Skimmer Tank (No. 2)
GRP007	Entire Facility	EQT61 28-93h - Process Liquor Tanks - Heavy Black Liquor Storage Tank
GRP007	Entire Facility	EQT60 28-93g - Process Liquor Tanks - No. 2 Intermediate Black Liquor Storage Tank
GRP007	Entire Facility	EQT59 28-93f - Process Liquor Tanks - No. 1 Intermediate Black Liquor Storage Tank
GRP007	Entire Facility	EQT58 28-93e - Process Liquor Tanks - Swing Weak Black Liquor Storage Tank
GRP007	Entire Facility	EQT57 28-93d - Process Liquor Tanks - Semichemical Weak Black Liquor Storage Tank
GRP007	Entire Facility	EQT56 28-93c - Process Liquor Tanks - Secondary Weak Black Liquor Storage Tank
GRP007	Entire Facility	EQT55 28-93b - Process Liquor Tanks - Primary Weak Black Liquor Storage Tank West
GRP007	Entire Facility	EQT80 29-93o - Causticizing Area - No. 2 White Liquor Storage Tank
GRP007	Entire Facility	EQT79 29-93n - Causticizing Area - No. 1 White Liquor Storage Tank
GRP007	Entire Facility	EQT78 29-93m - Causticizing Area - No. 2 White Liquor Clarifier
GRP007	Entire Facility	EQT77 29-93l - Causticizing Area - No. 1 White Liquor Clarifier
GRP007	Entire Facility	EQT76 29-93k - Causticizing Area - No. 2 Weak Wash Tank
GRP007	Entire Facility	EQT75 29-93j - Causticizing Area - No. 1 Weak Wash Tank
GRP007	Entire Facility	EQT74 29-93d - Causticizing Area - No. 2 Green Liquor Storage Tank
GRP007	Entire Facility	EQT73 29-93c - Causticizing Area - No. 1 Green Liquor Storage Tank
GRP007	Entire Facility	EQT72 29-93b - Causticizing Area - No. 2 Green Liquor Clarifier
GRP007	Entire Facility	EQT98 43-96 - No. 6 Fuel Oil Storage Tank
GRP007	Entire Facility	EQT97 41-96 - Lime Kiln Gasoline Tank
GRP007	Entire Facility	EQT96 40-96 - Unleaded Gasoline Bulk Tank
GRP007	Entire Facility	EQT94 31-93p - Semichemical Digester Dump Tank
GRP007	Entire Facility	EQT93 31-93o - Hardwood Digester Dump Tank
GRP007	Entire Facility	EQT92 31-93n - Pine Digester Dump Tank
GRP007	Entire Facility	EQT91 31-93m - Pulp Mill Tanks - Semichemical High Density Storage Chest
GRP007	Entire Facility	EQT90 31-93l - Pulp Mill Tanks - Secondary High Density Storage Chest
GRP007	Entire Facility	EQT89 31-93k - Pulp Mill Tanks - Primary High Density Storage Chest C
GRP007	Entire Facility	FUG6 54-96 - Paint Yard
GRP007	Entire Facility	FUG5 26-93 - Haul Roads

INVENTORIES

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

Subject Item Groups:		Included Components (from Above)
ID	Description	
GRP007	Entire Facility	FUG4 23-93 - Woodyard Grouped Source
GRP007	Entire Facility	FUG3 19-93 - Bark/Woodwaste/Sludge Handling
GRP007	Entire Facility	FUG2 18-93 - Ash Handling Operations
GRP007	Entire Facility	FUG1 17-93 - Coal Storage/Handling
GRP007	Entire Facility	EQT187 66-05 - Lime Klin Auxiliary Engine
GRP007	Entire Facility	EQT186 65-05 - Clarke Fire-Water Pump
GRP007	Entire Facility	EQT185 NCG-M - Intermediate and High Solids Concentrator System
GRP007	Entire Facility	EQT184 32-93 - Cationic Starch Silo
GRP007	Entire Facility	EQT183 22-93e - No. 3 Paper Machine - B/S Excess White Water Tank
GRP007	Entire Facility	EQT182 TO-D - Crude Tail Oil-Dry CTO Tank
GRP007	Entire Facility	EQT181 TO-C - Crude Tail Oil-Wet CTO Tank
GRP007	Entire Facility	EQT180 TO-B - Crude Tail Oil-Cleaner Accepts Tank
GRP007	Entire Facility	EQT179 TO-A - Crude Tail Oil-Brine Receiver Tank
GRP007	Entire Facility	EQT178 31-93h - Semi-chemical Filtrate Tank Vent - (Vent B)
GRP007	Entire Facility	EQT177 31-93g - Semi-chemical Filtrate Tank Vent - (Vent A)
GRP007	Entire Facility	EQT176 31-93f - Secondary Filtrate Tank Vent - (Vent B)
GRP007	Entire Facility	EQT175 31-93e - Secondary Filtrate Tank Vent - (Vent A)
GRP007	Entire Facility	EQT174 31-93d - Primary Filtrate Tank Vent - Washer B (Vent B)
GRP007	Entire Facility	EQT173 31-93c - Primary Filtrate Tank Vent - Washer B (Vent A)
GRP007	Entire Facility	EQT172 31-93b - Primary Filtrate Tank Vent - Washer A (Vent B)
GRP007	Entire Facility	EQT171 31-93a - Primary Filtrate Tank Vent - Washer A (Vent A)
GRP007	Entire Facility	EQT170 28-93i - Stripped Condensate Tank
GRP007	Entire Facility	EQT169 NCG-L - Turpentine Storage
GRP007	Entire Facility	EQT168 12E-78 - Diffusion Washer Vent E
GRP007	Entire Facility	EQT167 12D-78 - Diffusion Washer Vent D
GRP007	Entire Facility	EQT166 12C-78 - Diffusion Washer Vent C
GRP007	Entire Facility	EQT165 12B-78 - Diffusion Washer Vent B
GRP007	Entire Facility	EQT164 12A-78 - Diffusion Washer Vent A
GRP007	Entire Facility	EQT163 NCG-K - Turpentine Decanter
GRP007	Entire Facility	EQT162 NCG-J - Condensate Stripper System
GRP007	Entire Facility	EQT161 NCG-I - No. 2 Concentrator System
GRP007	Entire Facility	EQT160 NCG-H - No. 1 Concentrator System
GRP007	Entire Facility	EQT159 NCG-E - No. 2 Evaporator
GRP007	Entire Facility	EQT158 NCG-D - No. 1 Evaporator
GRP007	Entire Facility	EQT157 NCG-C - Semichemical Digester System
GRP007	Entire Facility	EQT156 NCG-B - Secondary Digester System
GRP007	Entire Facility	EQT155 NCG-A - Primary Digester System

INVENTORIES

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

Subject Item Groups:		ID	Description	Included Components (from Above)
GRP007	Entire Facility	EQT154	64-04 - Repulper #5	
GRP007	Entire Facility	EQT153	63-04 - Repulper #4	
GRP007	Entire Facility	EQT152	60-00 - Fiber Reclaims System	
GRP007	Entire Facility	EQT151	30-93b - Black Liquor Filters - Primary Black Liquor Filter	
GRP007	Entire Facility	EQT150	30-93a - Black Liquor Filters - Secondary Black Liquor Filter	
GRP007	Entire Facility	EQT149	29-93u - Causticizing Area - Lime Mud Precoat Filter	
GRP007	Entire Facility	EQT148	29-93s - Causticizing Area - No. 2 Lime Mud Washer	
GRP007	Entire Facility	EQT147	29-93r - Causticizing Area - No. 1 Lime Mud Washer	
GRP007	Entire Facility	EQT146	29-93i - Causticizing Area - No. 4 Causticizer	
GRP007	Entire Facility	EQT145	29-93h - Causticizing Area - No. 3 Causticizer	
GRP007	Entire Facility	EQT144	29-93g - Causticizing Area - No. 2 Causticizer	
GRP007	Entire Facility	EQT143	29-93f - Causticizing Area - No. 1 Causticizer	
GRP007	Entire Facility	EQT142	29-93e - Causticizing Area - Dregs Filter	
GRP007	Entire Facility	EQT141	27-93 - Process Chillers	
GRP007	Entire Facility	EQT140	22-93m - #3 PM Virgin Fiber Low Density Chest	
GRP007	Entire Facility	EQT139	22-93k - No. 3 Paper Machine - Broke Repulper	
GRP007	Entire Facility	EQT138	22-93j - No. 3 Paper Machine - AES Filters	
GRP007	Entire Facility	EQT137	22-93d - No. 3 Paper Machine - Save-all Stock Chest	
GRP007	Entire Facility	EQT136	22-93c - No. 3 Paper Machine - Save-all Vent	
GRP007	Entire Facility	EQT135	22-93a - No. 3 Paper Machine - Grouped Source	
GRP007	Entire Facility	EQT134	22-01o - No. 3 Paper Machine - Pine Fiber Low Density Chest/Standpipes	
GRP007	Entire Facility	EQT133	22-01n - No. 3 Paper Machine - HW Fiber Low Density Chest/Standpipes	
GRP007	Entire Facility	EQT132	21-93j - #2 PM Semicemical Low Density Chest	
GRP007	Entire Facility	EQT131	21-93i - #2 PM Pine Low Density Chest	
GRP007	Entire Facility	EQT130	21-93f - No. 2 Paper Machine - Broke Repulper	
GRP007	Entire Facility	EQT129	21-93d - No. 2 Paper Machine - Save-all White Water Filtrate Chest	
GRP007	Entire Facility	EQT128	21-93c - No. 2 Paper Machine - Save-all Mixed Stock Chest	
GRP007	Entire Facility	EQT127	21-93b - No. 2 Paper Machine - Save-all Vent No. 1	
GRP007	Entire Facility	EQT126	21-93a - No. 2 Paper Machine - Grouped Source	
GRP007	Entire Facility	EQT125	21-04k - No. 2 Paper Machine - No. 2 PM Stock Chest	
GRP007	Entire Facility	EQT124	20-93m - #1 PM Hardwood Low Density Chest	
GRP007	Entire Facility	EQT123	20-93i - #1 PM Primary Pine Low Density Chest	
GRP007	Entire Facility	EQT122	20-93k - #1 PM Secondary Pine Low Density Chest	
GRP007	Entire Facility	EQT121	20-93g - No. 1 Paper Machine - Broke Repulper	
GRP007	Entire Facility	EQT120	20-93d - No. 1 Paper Machine - Save-all White Water Filtrate Chest	
GRP007	Entire Facility	EQT119	20-93c - No. 1 Paper Machine - Save-all Mixing Chest	
GRP007	Entire Facility	EQT118	20-93b - No. 1 Paper Machine - Save-all Vent No. 1	

INVENTORIES

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-000006-V7

Air - Title V Regular Permit Major Mod

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP007	Entire Facility	EQT117 20-93a - No. 1 Paper Machine - Grouped Source
GRP007	Entire Facility	EQT116 21-01p - No. 1 Paper Machine - Short Fiber Blend Chest
GRP007	Entire Facility	EQT115 20-01o - No. 1 Paper Machine - HW Refiner Low Density Chest
GRP007	Entire Facility	EQT114 20-01n - No. 1 Paper Machine - Semichemical Fiber Sidehill Washing
GRP007	Entire Facility	EQT113 16-93 - Repulper #3
GRP007	Entire Facility	EQT112 15-93 - Repulper #2
GRP007	Entire Facility	EQT111 14-93 - Repulper #1
GRP007	Entire Facility	EQT110 59-00d - #3 PM Bulk Sulfuric Acid Tank
GRP007	Entire Facility	EQT109 59-00c - #3 PM Acid Supply Tank
GRP007	Entire Facility	EQT108 59-00b - Demin Water Acid Mix Tank
GRP007	Entire Facility	EQT107 59-00a - Sulfuric Acid Supply Tank
GRP007	Entire Facility	EQT106 56-98j - Crude Tail Oil - Heel Liquor Sample Tank
GRP007	Entire Facility	EQT105 56-98h - Crude Tail Oil - Brine Feed Tank
GRP007	Entire Facility	EQT104 56-98g - Crude Tail Oil - Neutralized Brine Storage Tank
GRP007	Entire Facility	EQT103 56-98e - Crude Tail Oil - Sulfuric Acid Storage Tank
GRP007	Entire Facility	EQT102 56-98d - Crude Tail Oil - Soap Blend Tank
GRP007	Entire Facility	EQT101 56-98c - Crude Tail Oil - Soap Decanting Tank
GRP007	Entire Facility	EQT100 56-98b - Crude Tail Oil - Soap Receiving Tank
GRP007	Entire Facility	EQT99 44-96 - Fuel Oil Day Tank (No. 6)
GRP007	Entire Facility	EQT88 31-93j - Pulp Mill Tanks - Primary High Density Storage Chest B
GRP007	Entire Facility	EQT87 31-93i - Pulp Mill Tanks - Primary High Density Storage Chest A
GRP007	Entire Facility	EQT86 29-93x - Sodium Hydrosulfide Tank #2
GRP007	Entire Facility	EQT85 29-93w - Sodium Hydrosulfide Tank #1
GRP007	Entire Facility	EQT84 29-93v - Waste Clarifier
GRP007	Entire Facility	EQT83 29-93t - Causticizing Area - Lime Mud Storage Tank
GRP007	Entire Facility	EQT82 29-93q - Causticizing Area - Lime Mud Mix Tank
GRP007	Entire Facility	EQT81 29-93p - Causticizing Area - No. 3 White Liquor Storage Tank
GRP007	Entire Facility	EQT71 29-93a - Causticizing Area - No. 1 Green Liquor Clarifier
GRP007	Entire Facility	EQT70 28-93s - #2 RB Black Liquor Dump Tank
GRP007	Entire Facility	EQT69 28-93r - #1 RB Black Liquor Dump Tank
GRP007	Entire Facility	EQT68 28-93q - No. 2 Spill Tank
GRP007	Entire Facility	EQT67 28-93p - No. 1 Spill Tank
GRP007	Entire Facility	EQT66 28-93o - Boilout Tank
GRP007	Entire Facility	EQT65 28-93n - Process Liquor Tanks - Soap Storage Tank
GRP007	Entire Facility	EQT64 28-93m - Process Liquor Tanks - Soap Collection Tank (No. 2)
GRP007	Entire Facility	EQT54 28-93a - Process Liquor Tanks - Primary Weak Black Liquor Storage Tank East
GRP007	Entire Facility	EQT53 22-93j - No. 3 Paper Machine - Broke Storage Tank

INVENTORIES

AI ID: 328 - International Paper Co - Mansfield Mill
 Activity Number: PER20050002
 Permit Number: 0760-00006-V7
 Air - Title V Regular Permit Major Mod

Subject Item Groups:		Included Components (from Above)
ID	Description	
GRP007	Entire Facility	EQ152 22-93j - No. 3 Paper Machine - T/S White Water Storage Tank
GRP007	Entire Facility	EQ151 22-93i - No. 3 Paper Machine - B/S White Water Storage Tank
GRP007	Entire Facility	EQ150 22-93h - No. 3 Paper Machine - Filtered White Water Tank
GRP007	Entire Facility	EQ149 22-93f - No. 3 Paper Machine - T/S Excess White Water Tank
GRP007	Entire Facility	EQ148 22-93b - No. 3 Paper Machine - High Density Thickener Tank
GRP007	Entire Facility	EQ147 22-01p - No. 3 Paper Machine - T/S Reclaims/Reject Tank
GRP007	Entire Facility	EQ137 5-78 - No. 2 Recovery Boiler
GRP007	Entire Facility	EQ136 4-78 - No. 1 Recovery Boiler
GRP007	Entire Facility	EQ135 2-78 - No. 2 Power Boiler
GRP007	Entire Facility	EQ134 52-96 - Mud Storage Diesel Generator
GRP007	Entire Facility	EQ133 51-96 - Effluent Lift Pit Diesel Engine
GRP007	Entire Facility	EQ132 50-96 - Administration Building Diesel Generator
GRP007	Entire Facility	EQ131 49-96 - Waste Clarifier Diesel Engine
GRP007	Entire Facility	EQ121 34-93 - Talc Silo
GRP007	Entire Facility	EQ119 53-96 - Boiler Feedwater/Steam Condensate Treatment Operations
GRP007	Entire Facility	EQ118 36-96 - Caterpillar Back-up Diesel Air Compressor (No. 1)
GRP007	Entire Facility	EQ117 28-93j - Process Liquor Tanks - Soap Skimmer Tank (No. 1)
GRP007	Entire Facility	EQ116 45-96 - No. 2 Fuel Oil Bulk Tank
GRP007	Entire Facility	EQ115 6-78 - No. 1 Smelt Dissolving Tank
GRP007	Entire Facility	EQ114 8-78 - Lime Slaker/Lime Handling
GRP007	Entire Facility	EQ113 24-93 - Wastewater Treatment
GRP007	Entire Facility	EQ112 33-93 - Oxidized Starch Silo
GRP007	Entire Facility	EQ130 48-96 - Clarifier Diesel Engine "Big Bubba"
GRP007	Entire Facility	EQ129 47-96 - Detroit Diesel Fire-Water Pump No. 3
GRP007	Entire Facility	EQ128 46-96 - Detroit Diesel Fire-Water Pump No. 2
GRP007	Entire Facility	EQ127 39-96 - Auxiliary Diesel Generator (No. 2)
GRP007	Entire Facility	EQ126 38-96 - Auxiliary Diesel Generator (No. 1)
GRP007	Entire Facility	EQ125 9-78 - NCG Incinerator
GRP007	Entire Facility	EQ124 56-98i - Crude Tall Oil - Tall Oil Loading Facilities
GRP007	Entire Facility	EQ123 56-98a - Crude Tall Oil - Soap Unloading Facilities
GRP007	Entire Facility	EQ122 61-01 - Pearl Starch Silo
GRP007	Entire Facility	EQ110 57-99 - HVLC Incinerator
GRP007	Entire Facility	EQ109 42-96 - Soda Ash Unloading
GRP007	Entire Facility	EQ108 56-98b - Crude Tall Oil - Tall Oil Reactor Scrubber
GRP007	Entire Facility	EQ107 13-93 - Gas Turbine/HRSG Stack
GRP007	Entire Facility	EQ106 3-78 - Lime Klin
GRP007	Entire Facility	EQ105 1-78 - No. 1 Power Boiler

INVENTORIES

AI ID: 328 - International Paper Co - Mansfield Mill
 Activity Number: PER20050002
 Permit Number: 0760-00006-V7
 Air - Title V Regular Permit Major Mod

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP007	Entire Facility	ARE16 Powerhouse NCG/Condensate Separator Condensate
GRP008	Coal Firing Scenario for Power Boilers	EQT5 1-78 - No. 1 Power Boiler
GRP008	Coal Firing Scenario for Power Boilers	EQT35 2-78 - No. 2 Power Boiler
GRP009	Fuel Oil Firing Scenario for Power Boilers	EQT5 1-78 - No. 1 Power Boiler
GRP009	Fuel Oil Firing Scenario for Power Boilers	EQT35 2-78 - No. 2 Power Boiler
GRP010	Combined Firing Scenario for Power Boilers	EQT5 1-78 - No. 1 Power Boiler
GRP010	Combined Firing Scenario for Power Boilers	EQT35 2-78 - No. 2 Power Boiler

Relationships:

Subject Item	Relationship	Subject Item
EQT6 3-78 - Lime Kiln	Controls emissions from	EQT155 NCG-A - Primary Digester System
EQT6 3-78 - Lime Kiln	Controls emissions from	EQT156 NCG-B - Secondary Digester System
EQT6 3-78 - Lime Kiln	Controls emissions from	EQT157 NCG-C - Semichemical Digester System
EQT6 3-78 - Lime Kiln	Controls emissions from	EQT158 NCG-D - No. 1 Evaporator
EQT6 3-78 - Lime Kiln	Controls emissions from	EQT159 NCG-E - No. 2 Evaporator
EQT6 3-78 - Lime Kiln	Controls emissions from	EQT160 NCG-H - No. 1 Concentrator System
EQT6 3-78 - Lime Kiln	Controls emissions from	EQT161 NCG-I - No. 2 Concentrator System
EQT6 3-78 - Lime Kiln	Controls emissions from	EQT162 NCG-J - Condensate Stripper System
EQT6 3-78 - Lime Kiln	Controls emissions from	EQT163 NCG-K - Turpentine Decanter
EQT6 3-78 - Lime Kiln	Controls emissions from	EQT169 NCG-L - Turpentine Storage
EQT6 3-78 - Lime Kiln	Controls emissions from	EQT185 NCG-M - Intermediate and High Solids Concentrator System
EQT8 56-98b - Crude Tall Oil - Tall Oil Reactor Scrubber	Controls emissions from	EQT179 TO-A - Crude Tall Oil-Brine Receiver Tank
EQT8 56-98b - Crude Tall Oil - Tall Oil Reactor Scrubber	Controls emissions from	EQT180 TO-B - Crude Tall Oil-Cleaner Accepts Tank
EQT8 56-98b - Crude Tall Oil - Tall Oil Reactor Scrubber	Controls emissions from	EQT181 TO-C - Crude Tall Oil-Wet CTO Tank
EQT8 56-98b - Crude Tall Oil - Tall Oil Reactor Scrubber	Controls emissions from	EQT182 TO-D - Crude Tall Oil-Dry CTO Tank
EQT10 57-99 - HVLC Incinerator	Controls emissions from	EQT164 12A-78 - Diffusion Washer Vent A
EQT10 57-99 - HVLC Incinerator	Controls emissions from	EQT165 12B-78 - Diffusion Washer Vent B
EQT10 57-99 - HVLC Incinerator	Controls emissions from	EQT166 12C-78 - Diffusion Washer Vent C
EQT10 57-99 - HVLC Incinerator	Controls emissions from	EQT167 12D-78 - Diffusion Washer Vent D
EQT10 57-99 - HVLC Incinerator	Controls emissions from	EQT168 12E-78 - Diffusion Washer Vent E
EQT10 57-99 - HVLC Incinerator	Controls emissions from	EQT170 28-93f - Stripped Condensate Tank
EQT10 57-99 - HVLC Incinerator	Controls emissions from	EQT171 31-93a - Primary Filtrate Tank Vent - Washer A (Vent A)
EQT10 57-99 - HVLC Incinerator	Controls emissions from	EQT172 31-93b - Primary Filtrate Tank Vent - Washer A (Vent B)
EQT10 57-99 - HVLC Incinerator	Controls emissions from	EQT173 31-93c - Primary Filtrate Tank Vent - Washer B (Vent A)
EQT10 57-99 - HVLC Incinerator	Controls emissions from	EQT174 31-93d - Primary Filtrate Tank Vent - Washer B (Vent B)
EQT10 57-99 - HVLC Incinerator	Controls emissions from	EQT175 31-93e - Secondary Filtrate Tank Vent - (Vent A)
EQT10 57-99 - HVLC Incinerator	Controls emissions from	EQT176 31-93f - Secondary Filtrate Tank Vent - (Vent B)

INVENTORIES

AI ID: 328 - International Paper Co - Mansfield Mill
 Activity Number: PER20050002
 Permit Number: 0760-00006-V7
 Air - Title V Regular Permit Major Mod

Relationships:

Subject Item	Relationship	Subject Item
EQT10 57-99 - HVLC Incinerator	Controls emissions from	EQT177 31-93g - Semi-Chemical Filtrate Tank Vent - (Vent A)
EQT10 57-99 - HVLC Incinerator	Controls emissions from	EQT178 31-93h - Semi-Chemical Filtrate Tank Vent - (Vent B)
EQT25 9-78 - NCG Incinerator	Controls emissions from, , when not controlled by EQT6	EQT155 NCG-A - Primary Digester System
EQT25 9-78 - NCG Incinerator	Controls emissions from, , when not controlled by EQT6	EQT156 NCG-B - Secondary Digester System
EQT25 9-78 - NCG Incinerator	Controls emissions from, , when not controlled by EQT6	EQT157 NCG-C - Semichemical Digester System
EQT25 9-78 - NCG Incinerator	Controls emissions from, , when not controlled by EQT6	EQT158 NCG-D - No. 1 Evaporator
EQT25 9-78 - NCG Incinerator	Controls emissions from, , when not controlled by EQT6	EQT159 NCG-E - No. 2 Evaporator
EQT25 9-78 - NCG Incinerator	Controls emissions from, , when not controlled by EQT6	EQT160 NCG-H - No. 1 Concentrator System
EQT25 9-78 - NCG Incinerator	Controls emissions from, , when not controlled by EQT6	EQT161 NCG-I - No. 2 Concentrator System
EQT25 9-78 - NCG Incinerator	Controls emissions from, , when not controlled by EQT6	EQT162 NCG-J - Condensate Stripper System
EQT25 9-78 - NCG Incinerator	Controls emissions from, , when not controlled by EQT6	EQT163 NCG-K - Turpentine Decanter
EQT25 9-78 - NCG Incinerator	Controls emissions from, , when not controlled by EQT6	EQT169 NCG-L - Turpentine Storage
EQT25 9-78 - NCG Incinerator	Controls emissions from, , when not controlled by EQT6	EQT185 NCG-M - Intermediate and High Solids Concentrator System
GRP3 Pulping Condensates	Vents to	EQT164 12A-78 - Diffusion Washer Vent A
GRP3 Pulping Condensates	Vents to	EQT165 12B-78 - Diffusion Washer Vent B
GRP3 Pulping Condensates	Vents to	EQT166 12C-78 - Diffusion Washer Vent C
GRP3 Pulping Condensates	Vents to	EQT167 12D-78 - Diffusion Washer Vent D
GRP3 Pulping Condensates	Vents to	EQT168 12E-78 - Diffusion Washer Vent E

Stack Information:

ID	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
AI328						
EQT005 1-78 - No. 1 Power Boiler	116.2	483678		69.4	263	426
EQT006 3-78 - Lime Kiln	23.4	70450		50.2	120	192
EQT007 13-93 - Gas Turbine/HRSG Stack	47.8	323903	100		113	272
EQT008 56-98b - Crude Tail Oil - Tall Oil Reactor Scrubber	39	2500	1.17		50	206
EQT009 42-96 - Soda Ash Unloading	20.2	1300	1.17		41.75	
EQT010 57-99 - HVLC Incinerator	33.3	9800	2.5		100	130
EQT012 33-93 - Oxidized Starch Silo	65	1370		35	8	75
EQT014 8-78 - Lime Slaker/Lime Handling	8.03	3383		7.02	94	193
EQT015 6-78 - No. 1 Smelt Dissolving Tank	30.9	70373		38	261	160
EQT016 45-96 - No. 2 Fuel Oil Bulk Tank			.33		17	85

INVENTORIES

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20050002
Permit Number: 0760-00006-V7
Air - Title V Regular Permit Major Mod

Stack Information:

ID	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
EQT017	28-93j - Process Liquor Tanks - Soap Skimmer Tank (No. 1)		5		14.3	140
EQT018	36-96 - Caterpillar Back-up Diesel Air Compressor (No. 1)	1527	.98		40	300
EQT019	53-96 - Boiler Feedwater/Steam Condensate Treatment Operations					
EQT021	34-93 - Talc Silo	1200		.2	62	75
EQT022	61-01 - Pearl Starch Silo	1370		.35	.8	75
EQT023	56-98a - Crude Tail Oil - Soap Unloading Facilities					
EQT024	56-98i - Crude Tail Oil - Tall Oil Loading Facilities					
EQT025	9-78 - NCG Incinerator	9532		2.27	144	300
EQT026	38-96 - Auxiliary Diesel Generator (No. 1)	1927	.98		16	300
EQT027	39-96 - Auxiliary Diesel Generator (No. 2)	1927	.98		16	300
EQT028	46-96 - Detroit Diesel Fire-Water Pump No. 2	597	.67		16	300
EQT029	47-96 - Detroit Diesel Fire-Water Pump No. 3	597	.67		10	300
EQT030	48-96 - Clarifier Diesel Engine "Big Bubba"	698	.67		13	300
EQT031	49-96 - Waste Clarifier Diesel Engine	814	.67		9	300
EQT032	50-96 - Administration Building Diesel Generator	1157	.67		7.5	300
EQT033	51-96 - Effluent Lift Pit Diesel Engine	342	.33		9	300
EQT034	52-96 - Mud Storage Diesel Generator	293	.33		40	300
EQT035	2-78 - No. 2 Power Boiler	483678		69.4	263	426
EQT036	4-78 - No. 1 Recovery Boiler	444576		77	263	400
EQT037	5-78 - No. 2 Smelt Dissolving Tank	70373		38	261	160
EQT038	7-78 - No. 2 Smelt Dissolving Tank		.67		94	130
EQT039	20-93e - No. 1 Paper Machine - No. 1 White Water Storage Tank		.67		94	130
EQT040	20-93f - No. 1 Paper Machine - No. 2 White Water Storage Tank		.67		100	110
EQT041	20-93h - No. 1 Paper Machine - No. 1 Broke Storage Tank		.67		100	110
EQT042	20-93i - No. 1 Paper Machine - No. 2 Broke Storage Tank		.67		100	110
EQT043	20-93j - Linerboard Whitewater Tank		.83		25.08	110
EQT044	21-93e - No. 2 Paper Machine - White Water Storage Tank		.67		94	110
EQT045	21-93g - No. 2 Paper Machine - Broke Storage Tank		.67		100	110
EQT046	21-93h - Corrugated Medium Whitewater Tank		.67		24.67	110
EQT047	22-01p - No. 3 Paper Machine - T/S Reclaims/Reject Tank		6.5		100	130
EQT048	22-93b - No. 3 Paper Machine - High Density Thickener Tank		.67		20	120
EQT049	22-93f - No. 3 Paper Machine - T/S Excess White Water Tank		1		60	110
EQT050	22-93h - No. 3 Paper Machine - Filtered White Water Tank		1		60	110
EQT051	22-93i - No. 3 Paper Machine - B/S White Water Storage Tank		1		60	110
EQT052	22-93j - No. 3 Paper Machine - T/S White Water Storage Tank		1		80	120
EQT053	22-93l - No. 3 Paper Machine - Broke Storage Tank		.5		32.5	190
EQT054	28-93a - Process Liquor Tanks - Primary Weak Black Liquor Storage Tank East		5		32.5	190
EQT055	28-93b - Process Liquor Tanks - Primary Weak Black Liquor Storage Tank West		5		32.5	190
EQT056	28-93c - Process Liquor Tanks - Secondary Weak Black Liquor Storage Tank		5		30.2	190
EQT057	28-93d - Process Liquor Tanks - Semichemical Weak Black Liquor Storage Tank		5			

INVENTORIES

AJ ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

Stack Information:

ID	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
EQT058			.5		32.5	190
EQT059			.5		32.5	220
EQT060			.5		32.5	220
EQT061			.5		24.5	208
EQT062			1		28	140
EQT063			.67		28	140
EQT064			.67		28	140
EQT065			.5		24.5	190
EQT066			.5		28.67	220
EQT067			.67		24.75	190
EQT068			.67		24.75	190
EQT069			.33		11	220
EQT070			.33		11	220
EQT071						
EQT072						
EQT073						
EQT074						
EQT075						
EQT076						
EQT077						
EQT078						
EQT079						
EQT080						
EQT081						
EQT082						
EQT083						
EQT084			.67		18.5	
EQT085						
EQT086						
EQT087			2		137	150
EQT088			2		137	150
EQT089			2		137	150
EQT090			2		137	150
EQT091			2		137	150
EQT092			.33		9.67	200
EQT093			.67		11.42	200
EQT094			1		8.73	200
EQT096			.33		17	68
EQT097			.17		32	85
EQT098			.67		35.8	85
EQT099			.5		21	85
EQT100			.5		33.5	140

INVENTORIES

AI ID: 328 - International Paper Co - Mansfield Mill
 Activity Number: PER20050002
 Permit Number: 0760-00006-V7
 Air - Title V Regular Permit Major Mod

Stack Information:

ID	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
EQT101			.5		41.5	140
EQT102			.5		41.5	140
EQT103			.5		13.5	
EQT104			.5		25.5	180
EQT105			.67		28	180
EQT106			.33		7	140
EQT107			.17		11.5	65
EQT108			.17		5	
EQT109			.17		8.5	
EQT110						
EQT111						
EQT112						
EQT113						
EQT114						
EQT115						
EQT116						
EQT117						
EQT118				16	100	155
EQT119					100	105
EQT120						130
EQT121				8	20	100
EQT122						150
EQT123						170
EQT124						150
EQT125						130
EQT126					100	155
EQT127				16	100	
EQT128						
EQT129						130
EQT130						100
EQT131						170
EQT132						
EQT133						
EQT134						
EQT135					100	155
EQT136			2		90	100
EQT137						120
EQT138					30	120
EQT139						120
EQT140				8	20	140
EQT141						
EQT142						

INVENTORIES

AI ID: 328 - International Paper Co - Mansfield Mill
 Activity Number: PER20050002
 Permit Number: 0760-00006-V7
 Air - Title V Regular Permit Major Mod

Stack Information:		Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
ID							
EQT143	29-93f - Causticizing Area - No. 1 Causticizer						
EQT144	29-93g - Causticizing Area - No. 2 Causticizer						
EQT145	29-93h - Causticizing Area - No. 3 Causticizer						
EQT146	29-93i - Causticizing Area - No. 4 Causticizer						
EQT147	29-93r - Causticizing Area - No. 1 Lime Mud Washer						
EQT148	29-93s - Causticizing Area - No. 2 Lime Mud Washer						
EQT149	29-93u - Causticizing Area - Lime Mud Precoat Filter						
EQT150	30-93a - Black Liquor Filters - Secondary Black Liquor Filter			67		60	
EQT151	30-93b - Black Liquor Filters - Primary Black Liquor Filter			67		60	
EQT152	60-00 - Fiber Reclaims System						
EQT153	63-04 - Repulper #4						
EQT154	64-04 - Repulper #5						
EQT155	NCG-A - Primary Digester System						
EQT156	NCG-B - Secondary Digester System						
EQT157	NCG-C - Semichemical Digester System						
EQT158	NCG-D - No. 1 Evaporator						
EQT159	NCG-E - No. 2 Evaporator						
EQT160	NCG-H - No. 1 Concentrator System						
EQT161	NCG-I - No. 2 Concentrator System						
EQT162	NCG-J - Condensate Stripper System						
EQT163	NCG-K - Turpentine Decanter						
EQT164	12A-78 - Diffusion Washer Vent A						
EQT165	12B-78 - Diffusion Washer Vent B						
EQT166	12C-78 - Diffusion Washer Vent C						
EQT167	12D-78 - Diffusion Washer Vent D						
EQT168	12E-78 - Diffusion Washer Vent E						
EQT169	NCG-L - Turpentine Storage						
EQT170	28-93i - Stripped Condensate Tank						
EQT171	31-93a - Primary Filtrate Tank Vent - Washer A (Vent A)						
EQT172	31-93b - Primary Filtrate Tank Vent - Washer A (Vent B)						
EQT173	31-93c - Primary Filtrate Tank Vent - Washer B (Vent A)						
EQT174	31-93d - Primary Filtrate Tank Vent - Washer B (Vent B)						
EQT175	31-93e - Secondary Filtrate Tank Vent - (Vent A)						
EQT176	31-93f - Secondary Filtrate Tank Vent - (Vent B)						
EQT177	31-93g - Semi-chemical Filtrate Tank Vent - (Vent A)						
EQT178	31-93h - Semi-chemical Filtrate Tank Vent - (Vent B)						
EQT179	TO-A - Crude Tall Oil-Brine Receiver Tank						
EQT180	TO-B - Crude Tall Oil-Cleaner Accepts Tank						
EQT181	TO-C - Crude Tall Oil-Wet CTO Tank						
EQT182	TO-D - Crude Tall Oil-Dry CTO Tank						
EQT183	22-93e - No. 3 Paper Machine - B/S Excess White Water Tank						
EQT184	32-93 - Cationic Starch Silo	65	1370		35	8	75

INVENTORIES

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20050002
Permit Number: 0760-00006-V7
Air - Title V Regular Permit Major Mod

Stack Information:

ID	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
EQT185	128.68	660	.33		30	300
NCG-M - Intermediate and High Solids Concentrator System						
EQT187						
66-05 - Lime Kiln Auxiliary Engine						

Fee Information:

Subj Item Id	Multiplier	Units Of Measure	Fee Desc
GRP007	5900	Ton/Day	0330 - Pulp Mill (Rated Capacity)

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

All phases

Subject Item	PM ₁₀			SO ₂			NOx			CO			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
ARE 005 25-93													1.7	2.1	7.6
EQT 005 01-78	76.0	76.0	332.9	774.0	774.0	3390.1	486.1	486.1	2129.0	672.9	1600.0	2947.6	100.0	100.0	438.0
EQT 006 03-78	26.1	26.1	114.3	0.68	1.2	3.0	99.9	103.7	437.4	2.0	2.0	8.8	8.0	12.1	
EQT 007 13-93	3.6	5.5	15.6	< 0.001	< 0.001	< 0.01	51.8	54.5	227.0	2.2	2.2	9.8	0.48	0.88	2.1
EQT 008 56-98f													3.9	7.9	17.3
EQT 009 42-96	6.0	6.0	1.6										0.27	0.41	1.2
EQT 010 57-99	0.09	0.15	0.39	6.4	8.3	28.2	3.0	5.0	13.1	4.0	6.7	17.5	1.2	1.8	5.3
EQT 012 33-93	1.8	1.8	0.78												
EQT 013 24-93													150.80	150.80	660.40
EQT 014 08-78	1.2	2.1	5.3										2.5	3.8	11.1
EQT 015 06-78	14.2	14.2	62.2	1.3	1.3	5.6	2.7	2.8	11.6				57.9	57.9	254.0
EQT 016 45-96													0.01	0.01	0.01
EQT 017 28-93j													0.02	0.02	0.1
EQT 018 36-96	1.7	1.7	1.5	1.6	1.6	1.4	38.6	38.6	34.8	5.4	5.4	4.9	1.9	1.9	1.7
EQT 019 53-96													0.01	0.01	0.06
EQT 021 34-93	0.15	0.15	0.05												
EQT 022 61-01	1.8	1.8	0.52												
EQT 023 56-98a													0.11	0.23	0.50

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

All phases

Subject Item	PM ₁₀			SO ₂			NOx			CO			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 024 56-98															
EQT 025 09-78	0.05	0.05	0.21	48.7	48.7	213.3	1.6	1.6	7.0	0.13	0.13	0.57	0.03	0.06	0.14
EQT 026 38-96	2.4	2.4	1.7	2.2	2.2	1.6	34.0	34.0	23.8	10.6	10.6	7.4	2.7	2.7	2.7
EQT 027 39-96	2.4	2.4	1.7	2.2	2.2	1.6	34.0	34.0	23.8	10.6	10.6	7.4	2.7	2.7	1.9
EQT 028 46-96	0.58	0.57	0.40	0.54	0.54	0.38	8.2	8.2	5.7	1.8	1.8	1.2	0.65	0.65	0.45
EQT 029 47-96	0.57	0.57	0.40	0.54	0.54	0.38	8.2	8.2	5.7	1.8	1.8	1.2	0.65	0.65	0.45
EQT 030 48-96	0.67	0.67	0.8	0.63	0.63	0.79	9.6	9.6	12.0	2.1	2.1	2.6	0.76	0.76	0.90
EQT 031 49-96	0.90	0.90	0.6	0.84	0.84	0.59	12.7	12.7	8.9	2.7	2.7	1.9	1.0	1.0	0.70
EQT 032 50-96	1.3	1.3	0.89	1.2	1.2	0.80	18.1	18.1	12.7	3.9	3.9	2.7	1.4	1.4	1.0
EQT 033 51-96	0.33	0.33	0.20	0.31	0.31	0.20	4.7	4.7	3.3	1.0	1.0	0.70	0.37	0.37	0.26
EQT 034 52-96	0.28	0.28	0.20	0.26	0.26	0.18	4.0	4.0	2.8	0.86	0.86	0.60	0.32	0.32	0.20
EQT 035 02-78	76.0	76.0	332.9	774.0	774.0	3390.1	486.1	486.1	2129.0	672.9	1600.0	2947.6	100.0	100.0	436.0
EQT 036 04-78	45.2	100.5	198.0	207.3	217.6	907.9	128.5	135.0	563.0	377.6	396.5	1653.9	30.5	32.1	133.7
EQT 037 05-78	45.2	100.5	198.0	207.3	217.6	907.9	128.5	135.0	563.0	377.6	396.5	1653.9	30.5	32.1	133.7
EQT 038 07-78	14.2	14.2	62.2	1.3	1.3	5.6	2.7	2.8	11.6				57.9	57.9	254.0
EQT 039 20-93a														0.72	
EQT 040 20-93f														0.72	
EQT 041 20-93h														0.44	

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

All phases

Subject Item	PM ₁₀			SO ₂			NOx			CO			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 042 20-93i														0.44	
EQT 043 20-93j														0.72	
EQT 044 21-93a														0.43	
EQT 045 21-93g														0.4	
EQT 046 21-93h														0.43	
EQT 047 22-01p														1.2	
EQT 048 22-93b														2.0	
EQT 049 22-93f														0.8	
EQT 050 22-93h														1.2	
EQT 051 22-93i														1.5	
EQT 052 22-93j														0.65	
EQT 053 22-93l														1.6	
EQT 054 28-93a													0.91	0.91	4.0
EQT 055 28-93b													0.91	0.91	4.0
EQT 056 28-93c													3.4	3.4	15.1
EQT 057 28-93d													1.6	1.6	7.2
EQT 058 28-93e													3.4	3.4	15.1
EQT 059 28-93f													0.22	0.22	0.9

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

All phases

Subject Item	PM ₁₀			SO ₂			NOx			CO			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 060 28-93g													0.22	0.22	0.9
EQT 061 28-93h													0.35	0.35	1.5
EQT 062 28-93k													0.02	0.02	
EQT 063 28-93l													0.02	0.02	0.1
EQT 064 28-93m													0.02	0.02	0.1
EQT 065 28-93n													0.04	0.04	0.19
EQT 066 28-93o													0.05	0.05	0.20
EQT 067 28-93p													0.05	0.05	0.20
EQT 068 28-93q													0.05	0.05	0.20
EQT 069 28-93r													0.05	0.05	0.20
EQT 070 28-93s													0.05	0.05	0.20
EQT 071 29-93a													1.4	2.1	6.0
EQT 072 29-93b													1.4	2.1	6.0
EQT 073 29-93c													0.02	0.04	0.1
EQT 074 29-93d													0.02	0.04	0.1
EQT 075 29-93j													0.18	0.27	0.79
EQT 076 29-93k													0.18	0.27	0.79
EQT 077 29-93l													0.18	0.27	0.79

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
 Activity Number: PER20050002
 Permit Number: 0760-00006-V7
 Air - Title V Regular Permit Major Mod

All phases

Subject Item	PM ₁₀			SO ₂			NOx			CO			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 078 29-93m													0.18	0.27	0.79
EQT 079 29-93n													0.12	0.18	0.5
EQT 080 29-93o													0.12	0.18	
EQT 081 29-93p													0.12	0.18	0.53
EQT 082 29-93q													0.04	0.07	0.19
EQT 083 29-93r													2.1	3.1	9.1
EQT 084 29-93v													0.18	0.27	0.79
EQT 087 31-93i													14.1	14.1	61.8
EQT 088 31-93j													14.1	14.1	61.8
EQT 089 31-93k													14.1	14.1	61.8
EQT 090 31-93l													6.5	6.5	28.7
EQT 091 31-93m													12.1	12.1	5
EQT 092 31-93n													1.2	1.2	5.3
EQT 093 31-93o													1.2	1.2	5.3
EQT 094 31-93p													1.2	1.2	5.3
EQT 096 40-96													0.87	0.87	3.8
EQT 097 41-96													0.04	0.04	0.18
EQT 098 43-96													0.002	0.002	0.01

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

All phases

Subject Item	PM ₁₀			SO ₂			NOx			CO			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 099 44-96													<	0.001 <	0.01 <
EQT 100 56-98b													0.11	0.23	0.5
EQT 101 56-98c													0.11	0.23	
EQT 102 56-98d													0.11	0.23	0.5
EQT 104 56-98g													0.001	0.002 <	0.01
EQT 105 56-98h													0.001	0.002 <	0.01
EQT 111 14-93														7.0	30.6
EQT 112 15-93														10.3	45.2
EQT 113 16-93														10.3	45.2
EQT 114 20-01n														0.14	
EQT 115 20-01o														1.2	
EQT 116 20-01p														1.2	
EQT 117 20-93a														259.7	982.0
EQT 118 20-93b														10.8	40.9
EQT 119 20-93c														0.86	
EQT 120 20-93d														1.4	
EQT 121 20-93g														1.2	
EQT 122 20-93k														1.2	

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

All phases

Subject Item	PM ₁₀			SO ₂			NOx			CO			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 123 20-93i															1.2
EQT 124 20-93m															1.2
EQT 125 21-04k															0.25
EQT 126 21-93a															191.8
EQT 127 21-93b															726.0
EQT 128 21-93c															8.0
EQT 129 21-93d															30.2
EQT 130 21-93f															0.47
EQT 131 21-93i															1.1
EQT 132 21-93j															0.79
EQT 133 22-01n															1.2
EQT 134 22-01o															1.2
EQT 135 22-93a															185.0
EQT 136 22-93c															811.0
EQT 137 22-93d															7.7
EQT 138 22-93g															33.8
EQT 139 22-93k															0.73
EQT 140 22-93m															0.14
															2.3
															1.2

EMISSION RATES FOR CRITERIA POLLUTANTS

AJ ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

All phases

Subject Item	PM ₁₀			SO ₂			NOx			CO			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 142 29-93e													2.8	4.1	12.1
EQT 143 29-93f													0.03	0.05	0.1
EQT 144 29-93g													0.03	0.05	0.1
EQT 145 29-93h													0.03	0.05	0.1
EQT 146 29-93i													0.03	0.05	0.15
EQT 147 29-93j													1.0	1.6	4.5
EQT 148 29-93s													1.0	1.6	4.5
EQT 149 29-93u													1.5	2.2	6.4
EQT 150 30-93a													5.7	5.7	24.8
EQT 151 30-93b													2.6	2.6	11.6
EQT 152 60-00													0.27	1.2	1.2
EQT 153 63-04														10.3	
EQT 154 64-04														10.3	
EQT 183 22-93e														1.7	
EQT 184 32-93	1.8	1.8	0.5												
EQT 186 65-05	0.04	0.04	0.03	0.09	0.09	0.06	3.50	3.50	2.40	0.15	0.15	0.11	0.05	0.05	0.03
EQT 187 66-05	0.02	0.02	0.01	0.23	0.23	0.16	1.10	1.10	0.77	0.13	0.13	0.09	0.09	0.09	0.06
FUG 001 17-93	0.12	0.12	0.53												

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
 Activity Number: PER20050002
 Permit Number: 0760-00006-V7
 Air - Title V Regular Permit Major Mod

All phases

Subject Item	PM ₁₀			SO ₂			NOx			CO			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
FUG 002 18-93	0.45	0.45	2.0												
FUG 003 19-93	0.01	0.01	0.04												
FUG 004 23-93										47.4	47.4	2.6		47.4	2.6
FUG 005 26-93	12.7	12.7	55.6												
FUG 006 54-96										0.59	0.59	2.6		0.59	2.6
GRP 002													486.2		2129.7
GRP 008		64.5			774			451.5			130.0			100	
GRP 009		64.5			516.0			193.5			23.2			100	
GRP 010		76.0												100	

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals

Permit Phase Totals:

PM10: 1392.05 tons/yr
 SO2: 8859.84 tons/yr
 NOx: 6228.37 tons/yr
 CO: 9270.47 tons/yr
 VOC: 5175.84 tons/yr

Emission rates Notes:

EQT 111 VOC : This is a BACT requirement. Which Months: All Year
 EQT 112 VOC : This is a BACT requirement. Which Months: All Year
 EQT 113 VOC : This is a BACT requirement. Which Months: All Year
 EQT 117 VOC : This is a BACT requirement. Which Months: All Year
 EQT 118 VOC : This is a BACT requirement. Which Months: All Year

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

All phases

EQT 126	VOC	Tons/Year	: This is a BACT requirement.	Which Months: All Year
EQT 127	VOC	Tons/Year	: This is a BACT requirement.	Which Months: All Year
EQT 135	VOC	Tons/Year	: This is a BACT requirement.	Which Months: All Year
EQT 136	VOC	Tons/Year	: This is a BACT requirement.	Which Months: All Year

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

All phases

Subject Item	1,1,1-Trichloroethane			1,1,2-Trichloroethane			1,2,4-Trichlorobenzene			1,2-Dichloropropane			1,3-Butadiene		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
ARE 005 25-93															
EQT 005 01-78	0.07	0.07	0.29												
EQT 006 03-78															
EQT 007 13-93															
EQT 008 56-98f				0.01	0.01	0.03	< 0.001	< 0.001	< 0.001	< 0.01					
EQT 009 42-96															
EQT 010 57-99															
EQT 013 24-93															
EQT 014 08-78															
EQT 015 06-78	< 0.001	< 0.001	< 0.01												
EQT 016 45-96															
EQT 017 28-93j				< 0.001	< 0.001	< 0.01	< 0.001	< 0.001	< 0.001	< 0.01					
EQT 018 36-96													< 0.001	< 0.001	< 0.01
EQT 019 53-96															
EQT 023 56-98a				< 0.001	0.001	< 0.01	< 0.001	< 0.001	< 0.001	< 0.01					
EQT 024 56-98i				< 0.001	< 0.001	< 0.01	< 0.001	< 0.001	< 0.001	< 0.01					
EQT 025 09-78															
EQT 026 38-96													< 0.001	< 0.001	< 0.01

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
 Activity Number: PER20050002
 Permit Number: 0760-00006-V7
 Air - Title V Regular Permit Major Mod

All phases

Subject Item	2,2,4-Trimethylpentane			2,3,7,8-Tetrachlorodibenzo-p-Dioxin			Acetaldehyde			Acetophenone			Acrolein		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
ARE 005							0.02	0.02	0.08				0.001	0.001	< 0.01
25-93															
EQT 005				< 0.001	< 0.001	< 0.001	0.48	0.48	2.1	0.01	0.01	0.05	0.06	0.06	0.26
01-78															
EQT 006							0.94	1.4	4.1				0.04	0.06	0.16
03-78															
EQT 007															
13-93															
EQT 008							0.02	0.03	0.07				0.001	0.001	< 0.01
56-98f															
EQT 009							0.01	0.01	0.04				< 0.001	< 0.001	< 0.01
42-96															
EQT 010							0.01	0.01	0.03				< 0.001	< 0.001	< 0.01
57-99															
EQT 013							0.14	0.14	0.62				0.01	0.01	0.03
24-93															
EQT 014							1.1	1.6	4.6				0.002	0.003	0.01
08-78															
EQT 015							0.02	0.02	0.1						
06-78															
EQT 016			< 0.001	< 0.001	< 0.01								< 0.001	< 0.001	< 0.01
45-96															
EQT 017								< 0.001	< 0.01				< 0.001	< 0.001	< 0.01
28-93j															
EQT 018							0.004	0.004	0.01				0.001	0.001	< 0.01
36-96															
EQT 019															
53-96															
EQT 023							0.002	0.003	0.01				< 0.001	< 0.001	< 0.01
56-98a															
EQT 024							< 0.001	0.001	< 0.01				< 0.001	< 0.001	< 0.01
56-98i															
EQT 025							0.02	0.21	0.10						
09-78															
EQT 026							0.01	0.01	< 0.01				0.001	0.001	< 0.01
38-96															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
 Activity Number: PER20050002
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 Air - Title V Regular Permit Major Mod

All phases

Subject Item	Ammonia			Antimony (and compounds)			Arsenic (and compounds)			Barium (and compounds)			Benzene		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
ARE 005 25-93	0.04	0.05	0.17												
EQT 005 01-78	1.5	1.5	6.6	0.02	0.02	0.10	0.01	0.01	0.05	5.2	5.2	22.6	0.33	0.33	1.4
EQT 006 03-78				< 0.001	< 0.001	< 0.01	0.001	0.001	< 0.01	0.01	0.02	0.05	0.06	0.10	0.28
EQT 007 13-93															
EQT 008 56-98f													0.004	0.004	0.02
EQT 009 42-96													0.001	0.002	< 0.01
EQT 010 57-99															
EQT 013 24-93															
EQT 014 08-78	5.6	8.4	24.5										0.003	0.004	0.01
EQT 015 06-78	9.6	10.1	42.2	< 0.001	< 0.001	< 0.01	< 0.001	< 0.001	< 0.01				< 0.001	< 0.001	< 0.01
EQT 016 45-96													0.004	0.004	0.01
EQT 017 28-93j													< 0.001	< 0.001	< 0.01
EQT 018 36-96													0.01	0.01	< 0.01
EQT 019 53-96															
EQT 023 56-98a													< 0.001	< 0.001	< 0.01
EQT 024 56-98i													< 0.001	< 0.001	< 0.01
EQT 025 09-78													< 0.001	< 0.001	< 0.01
EQT 026 38-96													0.01	0.07	0.03

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
 Activity Number: PER20050002
 Permit Number: 0760-00006-V7
 Air - Title V Regular Permit Major Mod

All phases

Subject Item	Beryllium (Table 51.1)			Biphenyl			Cadmium (and compounds)			Carbon disulfide			Chlorinated Dibenzo-P-Dioxins		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
ARE 005															
25-93															
EQT 005	0.07	0.07	0.31												
01-78															
EQT 006	< 0.001	< 0.001	< 0.01												
03-78															
EQT 007															
13-93															
EQT 008															
56-98f															
EQT 009															
42-96															
EQT 010															
57-99															
EQT 013															
24-93															
EQT 014															
08-78															
EQT 015	< 0.001	< 0.001	< 0.01												
06-78															
EQT 016															
45-96															
EQT 017															
28-93															
EQT 018															
36-96															
EQT 019															
53-96															
EQT 023															
56-98a															
EQT 024															
56-98b															
EQT 025															
09-78															
EQT 026															
38-96															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

All phases

Subject Item	Chlorinated dibenzofurans			Chlorine			Chlorobenzene			Chloroform			Chromium VI (and compounds)		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
ARE 005 25-93															
EQT 005 01-78	< 0.001	< 0.001	< 0.001	0.04	0.04	0.19	< 0.001	< 0.001	< 0.01	0.01	0.01	0.06	0.004	0.004	0.02
EQT 006 03-78	< 0.001	< 0.001	< 0.001										< 0.001	0.001	< 0.01
EQT 007 13-93															
EQT 008 56-98f															
EQT 009 42-96															
EQT 010 57-99															
EQT 013 24-93										0.05	0.05	0.23			
EQT 014 08-78															
EQT 015 06-78													< 0.001	< 0.001	< 0.01
EQT 016 45-96															
EQT 017 28-93j															
EQT 018 36-96															
EQT 019 53-96															
EQT 023 56-98a															
EQT 024 56-98i															
EQT 025 09-78															
EQT 026 38-96															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
 Activity Number: PER20050002
 Permit Number: 0760-00006-V7
 Air - Title V Regular Permit Major Mod

All phases

Subject Item	Cobalt compounds			Copper (and compounds)			Cresol			Cumene			Dichloromethane		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
ARE 005 25-93															
EQT 005 01-78	0.14	0.14	0.63	0.31	0.31	1.3				0.01	0.01	0.03	20.5	20.5	89.9
EQT 006 03-78	< 0.001	< 0.001	< 0.01	0.002	0.003	0.01									
EQT 007 13-93															
EQT 008 56-98f															
EQT 009 42-96															
EQT 010 57-99															
EQT 013 24-93										0.94	0.94	4.10			
EQT 014 08-78															
EQT 015 06-78	< 0.001	< 0.001	< 0.01	0.001	0.001	< 0.01				< 0.001	< 0.001	< 0.01	< 0.001	< 0.001	< 0.01
EQT 016 45-96										< 0.001	< 0.001	< 0.01			
EQT 017 28-93j															
EQT 018 36-96															
EQT 019 53-96															
EQT 023 56-98a															
EQT 024 56-98i															
EQT 025 09-78										0.001	0.01	< 0.01			
EQT 026 38-96															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
 Activity Number: PER20050002
 Permit Number: 0760-00006-V7
 Air - Title V Regular Permit Major Mod

All phases

Subject Item	Ethyl benzene			Ethylene oxide			Formaldehyde			Glycol ethers (Table 51.1)			Hydrochloric acid		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
ARE 005 25-93				< 0.001	< 0.001	< 0.01	0.01	0.01	0.01	0.03					
EQT 005 01-78	0.01	0.01	0.02				0.64	0.64	2.8				31.4	31.4	137.4
EQT 006 03-78							0.11	0.16	0.46				1.1	1.1	4.8
EQT 007 13-93							0.28	0.28	1.2						
EQT 008 56-98f															
EQT 009 42-96							0.002	0.003	0.01						
EQT 010 57-99							< 0.001	< 0.001	< 0.01						
EQT 013 24-93															
EQT 014 08-78							0.05	0.07	0.21						
EQT 015 06-78	< 0.001	< 0.001	< 0.01				0.28	0.30	1.2						
EQT 016 45-96	< 0.001	< 0.001	< 0.01												
EQT 017 28-93j															
EQT 018 36-96							0.01	0.01	0.01						
EQT 019 53-96															
EQT 023 56-98a															
EQT 024 56-98i															
EQT 025 09-78	< 0.001	0.004	< 0.01				0.03	0.28	0.13						
EQT 026 38-96							0.01	0.01	0.01						

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
 Activity Number: PER20050002
 Permit Number: 0760-00006-V7
 Air - Title V Regular Permit Major Mod

All phases

Subject Item	Hydrofluoric acid			Hydrogen sulfide			Hydroquinone			Lead compounds			Manganese (and compounds)		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
ARE 005 25-93				0.33	0.39	1.4									
EQT 005 01-78	3.9	3.9	17.0							0.04	0.04	0.19	4.2	4.2	18.4
EQT 006 03-78				0.53	0.80	2.3				0.004	0.01	0.02	0.01	0.01	0.01
EQT 007 13-93															
EQT 008 56-98f				0.21	0.42	0.92									
EQT 009 42-96				0.01	0.02	0.06									
EQT 010 57-99				0.04	0.04	0.16									
EQT 013 24-93				6.20	6.20	27.40									
EQT 014 08-78															
EQT 015 06-78				1.2	1.2	5.1				< 0.001	< 0.001	< 0.01	0.001	0.001	< 0.01
EQT 016 45-96															
EQT 017 28-93j				0.003	0.003	0.01									
EQT 018 36-96															
EQT 019 53-96							0.01	0.01	0.05						
EQT 023 56-98a				0.01	0.03	0.06									
EQT 024 56-98i				0.004	0.01	0.02									
EQT 025 09-78				0.01	0.08	0.04									
EQT 026 38-96															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

All phases

Subject Item	Mercury (and compounds)			Methanol			Methyl chloride			Methyl ethyl ketone			Methyl isobutyl ketone		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
ARE 005 25-93				1.1	1.3	4.7				0.01	0.02	0.06	< 0.001	< 0.001	< 0.01
EQT 005 01-78	0.02	0.02	0.08	0.65	0.65	2.9	0.02	0.02	0.08	0.33	0.33	1.5	0.02	0.02	0.08
EQT 006 03-78	< 0.001	< 0.001	< 0.01	6.0	9.0	26.3				0.08	0.11	0.33	0.02	0.03	0.08
EQT 007 13-93															
EQT 008 56-98f				0.56	1.1	2.5				0.01	0.01	0.03	0.001	0.002	< 0.01
EQT 009 42-96				0.17	0.25	0.72				0.001	0.001	< 0.01	< 0.001	< 0.001	< 0.01
EQT 010 57-99				0.34	0.50	1.5				0.01	0.01	0.04	< 0.001	< 0.001	< 0.01
EQT 013 24-93				128.00	128.00	560.40				0.19	0.19	0.83	0.01	0.01	0.02
EQT 014 08-78				1.1	1.6	4.6				0.02	0.04	0.11	0.001	0.002	0.01
EQT 015 06-78				58.5	61.4	256.2	0.01	0.01	0.04	< 0.001	< 0.001	< 0.01	< 0.001	< 0.001	< 0.01
EQT 016 45-96															
EQT 017 28-93j				0.001	0.001	0.01				< 0.001	< 0.001	< 0.01	< 0.001	< 0.001	< 0.01
EQT 018 36-96															
EQT 019 53-96															
EQT 023 56-98a				0.01	0.01	0.03				0.001	0.001	< 0.01	< 0.001	< 0.001	< 0.01
EQT 024 56-98i				0.002	0.004	0.01				0.001	0.001	< 0.01	< 0.001	< 0.001	< 0.01
EQT 025 09-78				0.08	0.81	0.37				0.003	0.02	0.01			
EQT 026 38-96															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

All phases

Subject Item	Naphthalene			Naphthalene (and Methyl naphthalenes)			Nickel (and compounds)			Phenol			Polycyclic Organic Matter (PO M)		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
ARE 005 25-93															
EQT 005 01-78	6.2	6.2	27.3	0.37	0.37	1.6	0.11	0.11	0.49	6.3	6.3	27.4			
EQT 006 03-78	0.001	0.001	< 0.01	0.002	0.003	0.01				0.003	0.003	0.01			
EQT 007 13-93	< 0.001	< 0.001	< 0.01							< 0.001	< 0.001	< 0.01			
EQT 008 56-98f															
EQT 009 42-96															
EQT 010 57-99	< 0.001	< 0.001	< 0.01												
EQT 013 24-93															
EQT 014 08-78															
EQT 015 06-78	0.04	0.04	0.18	< 0.001	< 0.001	< 0.01			< 0.01	0.08	0.08	0.33			
EQT 016 45-96	< 0.001	< 0.001	< 0.01							< 0.001	< 0.001	< 0.01			
EQT 017 28-93j															
EQT 018 36-96	< 0.001	< 0.001	< 0.01							0.001	0.001	< 0.01			
EQT 019 53-96															
EQT 023 56-98a															
EQT 024 56-98i															
EQT 025 09-78	< 0.001	< 0.001	< 0.01							< 0.001	< 0.001	< 0.01			
EQT 026 38-96	0.001	0.001	< 0.01							0.001	0.001	< 0.01			

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
 Activity Number: PER20050002
 Permit Number: 0760-00006-V7
 Air - Title V Regular Permit Major Mod

All phases

Subject Item	Polynuclear Aromatic Hydrocarbons			Propionaldehyde			Selenium (and compounds)			Styrene			Sulfuric acid		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
ARE 005 25-93				0.002	0.003	0.01				0.001	0.001	< 0.01			
EQT 005 01-78	0.05	0.05	0.23	0.01	0.01	0.06	0.03		0.15	0.01	0.01	0.05	13.3	13.3	58.1
EQT 006 03-78	0.002	0.002	0.01				0.002		0.01	0.03	0.05	0.14			
EQT 007 13-93	< 0.001	< 0.001	< 0.01												
EQT 008 56-98f										< 0.005	0.01	0.02			
EQT 009 42-96										< 0.001	< 0.001	< 0.01			
EQT 010 57-99	< 0.001	< 0.001	< 0.01	< 0.001	< 0.001	< 0.01				< 0.001	< 0.001	< 0.01			
EQT 013 24-93				0.01	0.01	0.04				0.06	0.06	0.27			
EQT 014 08-78										0.02	0.03	0.10			
EQT 015 06-78	0.04	0.04	0.16				< 0.001		< 0.01	0.01	0.01	0.04			
EQT 016 45-96										< 0.001	< 0.001	< 0.01			
EQT 017 28-93j										< 0.001	< 0.001	< 0.01			
EQT 018 36-96	< 0.001	< 0.001	< 0.01							< 0.001	< 0.001	< 0.01			
EQT 019 53-96															
EQT 023 56-98a										< 0.001	< 0.001	< 0.01			
EQT 024 56-98i										< 0.001	< 0.001	< 0.01			
EQT 025 09-78	< 0.001	< 0.001	< 0.01							0.001	0.01	0.01			
EQT 026 38-96	0.001	0.001	0.01												

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
 Activity Number: PER20050002
 Permit Number: 0760-00006-V7
 Air - Title V Regular Permit Major Mod

All phases

Subject Item	Tetrachloroethylene			Toluene			Total reduced sulfur			Trichloroethylene			Triethyl amine		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
ARE 005 25-93				0.001	0.001	< 0.01	0.50	0.60	2.2						
EQT 005 01-78	0.04	0.04	0.17	0.35	0.35	1.5	0.22	0.22	0.98	0.01	0.01	0.06			
EQT 006 03-78				0.22	0.33	0.96	3.4	3.4	14.9						
EQT 007 13-93															
EQT 008 56-98f	0.01	0.01	0.02	0.01	0.01	0.03	1.3	2.6	5.7	0.001	0.001	< 0.01			
EQT 009 42-96				0.001	0.001	< 0.01	0.03	0.04	0.12						
EQT 010 57-98				< 0.001	< 0.001	< 0.01	0.17	0.22	0.75						
EQT 013 24-93				0.06	0.06	0.27	10.30	10.30	45.20						
EQT 014 08-78				0.01	0.01	0.03	0.09	0.14	0.40						
EQT 015 06-78	< 0.001	< 0.001	< 0.01	< 0.001	< 0.001	< 0.01	1.3	1.6	5.2	0.001	0.001	0.01			
EQT 016 45-96				0.001	0.001	0.01									
EQT 017 28-93j				< 0.001	< 0.001	< 0.01	0.003	0.003	0.01						
EQT 018 36-96				0.002	0.002	< 0.01									
EQT 019 53-96															
EQT 023 56-98a				< 0.001	< 0.001	< 0.01	0.01	0.03	0.06						
EQT 024 56-98i				< 0.001	< 0.001	< 0.01	0.005	0.01	0.02						
EQT 025 09-78				0.001	0.01	< 0.01	0.18	0.18	0.79						
EQT 026 38-96				0.003	0.003	< 0.01									

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
 Activity Number: PER20050002
 Permit Number: 0760-00006-V7
 Air - Title V Regular Permit Major Mod

All phases

Subject Item	Xylene (mixed isomers)			Zinc (and compounds)			n-Hexane		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
ARE 005 25-93	0.001	0.001	< 0.01				< 0.001	< 0.001	< 0.01
EQT 005 01-78	0.005	0.005	0.02	3.4	3.4	15.0	0.21	0.21	0.93
EQT 006 03-78	0.16	0.23	0.68	0.002	0.003	0.01	< 0.001	0.001	< 0.01
EQT 007 13-93									
EQT 008 56-98f	0.01	0.02	0.04				0.06	0.12	0.26
EQT 009 42-96	< 0.001	< 0.001	< 0.01				< 0.001	< 0.001	< 0.01
EQT 010 57-99	< 0.001	< 0.001	< 0.01				< 0.001	< 0.001	< 0.01
EQT 013 24-93	0.19	0.19	0.83						
EQT 014 08-78	0.003	0.004	0.01						
EQT 015 06-78	< 0.001	< 0.001	< 0.01	0.01	0.01	0.04	< 0.001	< 0.001	< 0.01
EQT 016 45-96	0.001	0.001	< 0.01				0.01	0.01	0.03
EQT 017 28-93j	< 0.001	< 0.001	< 0.01				< 0.001	< 0.001	< 0.01
EQT 018 36-96	0.002	0.002	< 0.01						
EQT 019 53-96									
EQT 023 56-98a	< 0.001	< 0.001	< 0.01				< 0.001	< 0.001	< 0.01
EQT 024 56-98i	< 0.001	< 0.001	< 0.01				< 0.001	< 0.001	< 0.01
EQT 025 09-78	0.003	0.03	0.01				0.001	0.01	< 0.01
EQT 026 38-96	0.002	0.002	< 0.01						

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

All phases

Subject Item	1,1,1-Trichloroethane			1,1,2-Trichloroethane			1,2,4-Trichlorobenzene			1,2-Dichloropropane			1,3-Butadiene		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 027 39-96															
EQT 028 46-96															
EQT 029 47-96															
EQT 030 48-96															
EQT 031 49-96															
EQT 032 50-96															
EQT 033 51-96															
EQT 034 52-96															
EQT 035 02-78	0.07	0.07	0.29												
EQT 036 04-78				0.70	0.74	3.1									
EQT 037 05-78				0.70	0.74	3.1									
EQT 038 07-78	< 0.001	< 0.001	< 0.01												
EQT 039 20-93a															
EQT 040 20-93f															
EQT 041 20-93h															
EQT 042 20-93i															
EQT 043 20-93j															
EQT 044 21-93a															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
 Activity Number: PER20050002
 Permit Number: 0760-00006-V7
 Air - Title V Regular Permit Major Mod

All phases

Subject Item	2,2,4-Trimethylpentane			2,3,7,8-Tetrachlorodibenzo-p-Dioxin			Acetaldehyde			Acetophenone			Acrolein		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 027 39-96							0.01	0.01	< 0.01				< 0.001	0.001	< 0.01
EQT 028 46-96							0.001	0.001	< 0.01				< 0.001	0.001	< 0.01
EQT 029 47-96							0.001	0.001	< 0.01				< 0.001	0.001	< 0.01
EQT 030 48-96							0.002	0.002	< 0.01				< 0.001	0.001	< 0.01
EQT 031 49-96							0.002	0.002	< 0.01				< 0.001	0.001	< 0.01
EQT 032 50-96							0.003	0.003	< 0.01				< 0.001	0.001	< 0.01
EQT 033 51-96							0.001	0.001	< 0.01				< 0.001	0.001	< 0.01
EQT 034 52-96							0.001	0.001	< 0.01				< 0.001	0.001	< 0.01
EQT 035 02-78				< 0.001	< 0.001	< 0.001	0.48	0.48	2.1	0.01	0.01	0.05	0.06	0.06	0.26
EQT 036 04-78							0.54	0.56	2.3						
EQT 037 05-78							0.54	0.56	2.3						
EQT 038 07-78							0.02	0.02	0.1						
EQT 039 20-93 ^a								0.004							
EQT 040 20-93f								0.004							
EQT 041 20-93h								0.003							
EQT 042 20-93i								0.003							
EQT 043 20-93j								0.004							
EQT 044 21-93 ^a								0.003							

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
 Activity Number: PER20050002
 Permit Number: 0760-00006-V7
 Air - Title V Regular Permit Major Mod

All phases

Subject Item	Ammonia			Antimony (and compounds)			Arsenic (and compounds)			Barium (and compounds)			Benzene		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 027 39-96													0.01	0.01	0.01
EQT 028 46-96													0.002	0.002	0.01
EQT 029 47-96													0.002	0.002	0.01
EQT 030 48-96													0.002	0.002	< 0.01
EQT 031 49-96													0.003	0.003	< 0.01
EQT 032 50-96													0.004	0.004	< 0.01
EQT 033 51-96													0.001	0.001	< 0.01
EQT 034 52-96													0.001	0.001	< 0.01
EQT 035 02-78	1.5	1.5	6.6	0.02	0.02	0.10	0.01	0.01	0.05	5.2	5.2	22.6	0.33	0.33	1.4
EQT 036 04-78				0.002	0.02	0.01	< 0.001	0.005	< 0.01	0.001	0.001	0.01	0.05	0.05	0.23
EQT 037 05-78				0.002	0.02	0.01	< 0.001	0.005	< 0.01	0.001	0.001	0.01	0.05	0.05	0.23
EQT 038 07-78	9.6	10.1	42.2	< 0.001	< 0.001	< 0.01	< 0.001	< 0.001	< 0.01				< 0.001	< 0.001	< 0.01
EQT 039 20-93e														< 0.001	
EQT 040 20-93f														< 0.001	
EQT 041 20-93h														< 0.001	
EQT 042 20-93i														< 0.001	
EQT 043 20-93j														< 0.001	
EQT 044 21-93e														< 0.001	

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
 Activity Number: PER20050002
 Permit Number: 0760-00006-V7
 Air - Title V Regular Permit Major Mod

All phases

Subject Item	Beryllium (Table 51.1)			Biphenyl			Cadmium (and compounds)			Carbon disulfide			Chlorinated Dibenzo-P-Dioxins		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 027 39-96															
EQT 028 46-96															
EQT 029 47-96															
EQT 030 48-96															
EQT 031 49-96															
EQT 032 50-96															
EQT 033 51-96															
EQT 034 52-96															
EQT 035 02-78	0.07	0.07	0.31				0.01	0.01	0.02	0.10	0.10	0.43	< 0.001	< 0.001	< 0.001
EQT 036 04-78	< 0.001	< 0.001	< 0.01				0.001	0.001	< 0.01				< 0.001	< 0.001	< 0.001
EQT 037 05-78	< 0.001	< 0.001	< 0.01				0.001	0.001	< 0.01				< 0.001	< 0.001	< 0.001
EQT 038 07-78	< 0.001	< 0.001	< 0.01				< 0.001	< 0.001	< 0.01	< 0.001	< 0.001	< 0.01	< 0.001	< 0.001	< 0.001
EQT 039 20-93a															
EQT 040 20-93f															
EQT 041 20-93h															
EQT 042 20-93i															
EQT 043 20-93j															
EQT 044 21-93a															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
 Activity Number: PER20050002
 Permit Number: 0760-00006-V7
 Air - Title V Regular Permit Major Mod

All phases

Subject Item	Chlorinated dibenzofurans			Chlorine			Chlorobenzene			Chloroform			Chromium VI (and compounds)		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 027 39-96															
EQT 028 46-96															
EQT 029 47-96															
EQT 030 48-96															
EQT 031 49-96															
EQT 032 50-96															
EQT 033 51-96															
EQT 034 52-96															
EQT 035 02-78	< 0.001	< 0.001	< 0.001	0.04	0.04	0.19	< 0.001	< 0.001	< 0.001	0.01	0.01	0.06	0.004	0.004	0.02
EQT 036 04-78	< 0.001	< 0.001	< 0.001										0.001	0.001	< 0.01
EQT 037 05-78	< 0.001	< 0.001	< 0.001										0.001	0.001	< 0.01
EQT 038 07-78															
EQT 039 20-93a													< 0.001	< 0.001	< 0.01
EQT 040 20-93f													< 0.001	< 0.001	< 0.01
EQT 041 20-93h													< 0.001	< 0.001	< 0.01
EQT 042 20-93i													< 0.001	< 0.001	< 0.01
EQT 043 20-93j													< 0.001	< 0.001	< 0.01
EQT 044 21-93a													< 0.001	< 0.001	< 0.01

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
 Activity Number: PER20050002
 Permit Number: 0760-00006-V7
 Air - Title V Regular Permit Major Mod

All phases

Subject Item	Cobalt compounds			Copper (and compounds)			Cresol			Cumene			Dichloromethane		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 027 39-96															
EQT 028 46-96															
EQT 029 47-96															
EQT 030 48-96															
EQT 031 49-96															
EQT 032 50-96															
EQT 033 51-96															
EQT 034 52-96															
EQT 035 02-78	0.14	0.14	0.63	0.31	0.31	1.3				0.01	0.01	0.03	20.5	20.5	89.9
EQT 036 04-78	0.002	0.02	0.01	0.002	0.01	0.01							0.04	0.04	0.17
EQT 037 05-78	0.002	0.02	0.01	0.002	0.01	0.01							0.04	0.04	0.17
EQT 038 07-78	< 0.001	< 0.001	< 0.01	0.001	0.001	< 0.01				< 0.001	< 0.001	< 0.01	< 0.001	< 0.001	< 0.01
EQT 039 20-93a															
EQT 040 20-93f															
EQT 041 20-93h															
EQT 042 20-93i															
EQT 043 20-93j															
EQT 044 21-93a															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
 Activity Number: PER20050002
 Permit Number: 0760-00006-V7
 Air - Title V Regular Permit Major Mod

All phases

Subject Item	Ethyl benzene			Ethylene oxide			Formaldehyde			Glycol ethers (Table 51.1)			Hydrochloric acid		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 027 38-96							0.01	0.01	0.01						
EQT 028 46-96							0.002	0.002	0.01						
EQT 029 47-96							0.002	0.002	0.01						
EQT 030 48-96							0.003	0.003	< 0.01						
EQT 031 49-96							0.003	0.003	< 0.01						
EQT 032 50-96							0.005	0.005	< 0.01						
EQT 033 51-96							0.001	0.001	< 0.01						
EQT 034 52-96							0.001	0.001	< 0.01						
EQT 035 02-78	0.01	0.01	0.02				0.64	0.64	2.8				31.4	31.4	137.4
EQT 036 04-78							0.39	0.40	1.7				4.4	4.6	19.4
EQT 037 05-78							0.39	0.40	1.7				4.4	4.6	19.4
EQT 038 07-78	< 0.001	< 0.001	< 0.01				0.28	0.30	1.2						
EQT 039 20-93a															
EQT 040 20-93f															
EQT 041 20-93h															
EQT 042 20-93i															
EQT 043 20-93j															
EQT 044 21-93a															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
 Activity Number: PER20050002
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 Air - Title V Regular Permit Major Mod

All phases

Subject Item	Hydrofluoric acid			Hydrogen sulfide			Hydroquinone			Lead compounds			Manganese (and compounds)		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 027 39-96															
EQT 028 46-96															
EQT 029 47-96															
EQT 030 48-96															
EQT 031 49-96															
EQT 032 50-96															
EQT 033 51-96															
EQT 034 52-96															
EQT 035 02-78	3.9	3.9	17.0												
EQT 036 04-78	0.01	0.07	0.03	5.73	6.02	25.10				0.04	0.04	0.19	4.2	4.2	18.4
EQT 037 05-78	0.01	0.07	0.03	5.73	6.02	25.10				0.001	0.01	0.01	0.005	0.01	0.02
EQT 038 07-78				1.2	1.2	5.1				< 0.001	< 0.001	< 0.01	0.001	0.001	< 0.01
EQT 039 20-93a															
EQT 040 20-93f															
EQT 041 20-93h															
EQT 042 20-93i															
EQT 043 20-93j															
EQT 044 21-93a															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
 Activity Number: PER20050002
 Permit Number: 0760-00006-V7
 Air - Title V Regular Permit Major Mod

All phases

Subject Item	Mercury (and compounds)			Methanol			Methyl chloride			Methyl ethyl ketone			Methyl isobutyl ketone		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 027 38-96															
EQT 028 46-96															
EQT 029 47-96															
EQT 030 48-96															
EQT 031 49-96															
EQT 032 50-96															
EQT 033 51-96															
EQT 034 52-96															
EQT 035 02-78	0.02	0.02	0.08	0.65	0.65	2.9	0.02	0.02	0.08	0.33	0.33	1.5	0.02	0.02	0.08
EQT 036 04-78	< 0.001	< 0.001	< 0.01	18.9	19.8	82.7				0.22	0.23	0.95	0.04	0.04	0.16
EQT 037 05-78	< 0.001	< 0.001	< 0.01	18.9	19.8	82.7				0.22	0.23	0.95	0.04	0.04	0.16
EQT 038 07-78				58.5	61.4	256.2	0.01	0.01	0.04	< 0.001	< 0.001	< 0.01	< 0.001	< 0.001	< 0.01
EQT 039 20-93a					0.27						0.01			< 0.001	
EQT 040 20-93f					0.27						0.01			< 0.001	
EQT 041 20-93h					0.17						0.003			< 0.001	
EQT 042 20-93i					0.17						0.003			< 0.001	
EQT 043 20-93j					0.27						0.01			< 0.001	
EQT 044 21-93e					0.16						0.003			< 0.001	

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

All phases

Subject Item	Naphthalene			Naphthalene (and Methyl naphthalenes)			Nickel (and compounds)			Phenol			Polycyclic Organic Matter (PO M)		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 027 39-96				0.001	0.001	< 0.01							0.001	0.001	< 0.01
EQT 028 46-96				< 0.001	< 0.001	< 0.01							< 0.001	< 0.001	< 0.01
EQT 029 47-96				< 0.001	< 0.001	< 0.01							< 0.001	< 0.001	< 0.01
EQT 030 48-96				< 0.001	< 0.001	< 0.01							< 0.001	< 0.001	< 0.01
EQT 031 49-96				< 0.001	< 0.001	< 0.01							< 0.001	< 0.001	< 0.01
EQT 032 50-96				< 0.001	< 0.001	< 0.01							0.001	0.001	< 0.01
EQT 033 51-96				< 0.001	< 0.001	< 0.01							< 0.001	< 0.001	< 0.01
EQT 034 52-96				< 0.001	< 0.001	< 0.01							< 0.001	< 0.001	< 0.01
EQT 035 02-78				6.2	6.2	27.3	0.37	0.37	1.6	0.11	0.11	0.49	6.3	6.3	27.4
EQT 036 04-78				0.02	0.02	0.09	0.03	0.03	0.14				0.02	0.02	0.09
EQT 037 05-78				0.02	0.02	0.09	0.03	0.03	0.14				0.02	0.02	0.09
EQT 038 07-78				0.04	0.04	0.18	< 0.001	< 0.001	< 0.01				0.08	0.08	0.33
EQT 039 20-93a															
EQT 040 20-93f															
EQT 041 20-93h															
EQT 042 20-93i															
EQT 043 20-93j															
EQT 044 21-93a															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

All phases

Subject Item	Polynuclear Aromatic Hydrocarbons			Propionaldehyde			Selenium (and compounds)			Styrene			Sulfuric acid		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 027 39-96	0.001	0.001	< 0.01												
EQT 028 46-96	< 0.001	< 0.001	< 0.01												
EQT 029 47-96	< 0.001	< 0.001	< 0.01												
EQT 030 48-96	< 0.001	< 0.001	< 0.01												
EQT 031 49-96	< 0.001	< 0.001	< 0.01												
EQT 032 50-96	< 0.001	< 0.001	< 0.01												
EQT 033 51-96	< 0.001	< 0.001	< 0.01												
EQT 034 52-96	< 0.001	< 0.001	< 0.01												
EQT 035 02-78	0.05	0.05	0.23	0.01	0.01	0.06	0.03	0.15	0.01	0.01	0.01	0.05	13.3	13.3	58.1
EQT 036 04-78	< 0.001	< 0.001	< 0.01				< 0.001	< 0.01	0.10	0.11	0.11	0.45	2.0	6.0	9.0
EQT 037 05-78	< 0.001	< 0.001	< 0.01				< 0.001	< 0.01	0.10	0.11	0.11	0.45	2.0	6.0	
EQT 038 07-78	0.04	0.04	0.16				< 0.001	< 0.01	0.01	0.01	0.01	0.04			
EQT 039 20-93e										0.001					
EQT 040 20-93f										0.001					
EQT 041 20-93h										< 0.001					
EQT 042 20-93i										< 0.001					
EQT 043 20-93j										0.001					
EQT 044 21-93e										< 0.001					

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
 Activity Number: PER20050002
 Permit Number: 0760-00006-V7
 Air - Title V Regular Permit Major Mod

All phases

Subject Item	Tetrachloroethylene			Toluene			Total reduced sulfur			Trichloroethylene			Triethyl amine		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 027 39-96				0.003	0.003	< 0.01									
EQT 028 46-96				0.001	0.001	< 0.01									
EQT 029 47-96				0.001	0.001	< 0.01									
EQT 030 48-96				0.001	0.001	< 0.01									
EQT 031 49-96				0.001	0.001	< 0.01									
EQT 032 50-96				0.002	0.002	< 0.01									
EQT 033 51-96				< 0.001	< 0.001	< 0.01									
EQT 034 52-96				< 0.001	< 0.001	< 0.01									
EQT 035 02-78	0.04	0.04	0.17	0.35	0.35	1.5	0.22	0.22	0.98	0.01	0.01	0.06			
EQT 036 04-78				0.003	0.003	0.01	5.7	11.9	25.1						
EQT 037 05-78				0.003	0.003	0.01	5.7	11.9	25.1						
EQT 038 07-78	< 0.001	< 0.001	< 0.01	< 0.001	< 0.001	< 0.01	1.3	1.6	5.2	0.001	0.001	0.01			
EQT 039 20-93a								0.05							
EQT 040 20-93f								0.05							
EQT 041 20-93h								0.03							
EQT 042 20-93i								0.03							
EQT 043 20-93j								0.05							
EQT 044 21-93a								0.03							

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

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 Activity Number: PER20050002
 Permit Number: 0760-00006-V7
 Air - Title V Regular Permit Major Mod

All phases

Subject Item	Xylene (mixed isomers)			Zinc (and compounds)			n-Hexane		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 027 39-96	0.002	0.002	< 0.01						
EQT 028 46-96	0.001	0.001	< 0.01						
EQT 029 47-96	0.001	0.001	< 0.01						
EQT 030 48-96	0.001	0.001	< 0.01						
EQT 031 49-96	0.001	0.001	< 0.01						
EQT 032 50-96	0.001	0.001	< 0.01						
EQT 033 51-96	< 0.001	< 0.001	< 0.01						
EQT 034 52-96	< 0.001	< 0.001	< 0.01						
EQT 035 02-78	0.005	0.005	0.02	3.4	3.4	15.0	0.21	0.21	0.93
EQT 036 04-78	0.07	0.08	0.32	0.01	0.10	0.06			
EQT 037 05-78	0.07	0.08	0.32	0.01	0.10	0.06			
EQT 038 07-78	< 0.001	< 0.001	< 0.01	0.01	0.01	0.04	< 0.001	< 0.001	< 0.01
EQT 039 20-93a		< 0.001						< 0.001	
EQT 040 20-93f		< 0.001						< 0.001	
EQT 041 20-93h		< 0.001						< 0.001	
EQT 042 20-93i		< 0.001						< 0.001	
EQT 043 20-93j		< 0.001						< 0.001	
EQT 044 21-93a		< 0.001						< 0.001	

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Air - Title V Regular Permit Major Mod

All phases

Subject Item	1,1,1-Trichloroethane			1,1,2-Trichloroethane			1,2,4-Trichlorobenzene			1,2-Dichloropropane			1,3-Butadiene		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 045 21-93g															
EQT 046 21-93h															
EQT 047 22-01p															
EQT 048 22-93b															
EQT 049 22-93f															
EQT 050 22-93h															
EQT 051 22-93i															
EQT 052 22-93j															
EQT 053 22-93l															
EQT 054 28-93a															
EQT 055 28-93b															
EQT 056 28-93c															
EQT 057 28-93d															
EQT 058 28-93e															
EQT 059 28-93f															
EQT 060 28-93g															
EQT 061 28-93h															
EQT 062 28-93k															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

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Activity Number: PER20050002

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Air - Title V Regular Permit Major Mod

All phases

Subject Item	2,2,4-Trimethylpentane			2,3,7,8-Tetrachlorodibenzo-p-Dioxin			Acetaldehyde			Acetophenone			Acrolein		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 045 21-93g															
EQT 046 21-93h															
EQT 047 22-01p															
EQT 048 22-93b															
EQT 049 22-93f															
EQT 050 22-93h															
EQT 051 22-93i															
EQT 052 22-93j															
EQT 053 22-93l															
EQT 054 28-93a															
EQT 055 28-93b															
EQT 056 28-93c															
EQT 057 28-93d															
EQT 058 28-93e															
EQT 059 28-93f															
EQT 060 28-93g															
EQT 061 28-93h															
EQT 062 28-93k															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

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Air - Title V Regular Permit Major Mod

All phases

Subject Item	Ammonia			Antimony (and compounds)			Arsenic (and compounds)			Barium (and compounds)			Benzene		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 045 21-93g															
EQT 046 21-93h															
EQT 047 22-01p															
EQT 048 22-93b															
EQT 049 22-93f															
EQT 050 22-93h															
EQT 051 22-93i															
EQT 052 22-93j															
EQT 053 22-93l															
EQT 054 28-93a															
EQT 055 28-93b															
EQT 056 28-93c															
EQT 057 28-93d															
EQT 058 28-93e															
EQT 059 28-93f															
EQT 060 28-93g															
EQT 061 28-93h															
EQT 062 28-93k															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

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Air - Title V Regular Permit Major Mod

All phases

Subject Item	Beryllium (Table 51.1)			Biphenyl			Cadmium (and compounds)			Carbon disulfide			Chlorinated Dibenzo-P-Dioxins		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 045															
21-93g															
EQT 046															
21-93h															
EQT 047															
22-01p															
EQT 048															
22-93b															
EQT 049															
22-93f															
EQT 050															
22-93h															
EQT 051															
22-93i															
EQT 052															
22-93j															
EQT 053															
22-93l															
EQT 054															
28-93a															
EQT 055															
28-93b															
EQT 056															
28-93c															
EQT 057															
28-93d															
EQT 058															
28-93e															
EQT 059															
28-93f															
EQT 060															
28-93g															
EQT 061															
28-93h															
EQT 062															
28-93k															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
 Activity Number: PER20050002
 Permit Number: 0760-00006-V7
 Air - Title V Regular Permit Major Mod

All phases

Subject Item	Chlorinated dibenzofurans			Chlorine			Chlorobenzene			Chloroform			Chromium VI (and compounds)		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 045 21-93g															
EQT 046 21-93h															
EQT 047 22-01p															
EQT 048 22-93b											0.001				
EQT 049 22-93f											0.001				
EQT 050 22-93h											0.001				
EQT 051 22-93j											0.001				
EQT 052 22-93j											< 0.001				
EQT 053 22-93l											0.001				
EQT 054 28-93a															
EQT 055 28-93b															
EQT 056 28-93c															
EQT 057 28-93d															
EQT 058 28-93e															
EQT 059 28-93f															
EQT 060 28-93g															
EQT 061 28-93h															
EQT 062 28-93k															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
 Activity Number: PER20050002
 Permit Number: 0760-00006-V7
 Air - Title V Regular Permit Major Mod

All phases

Subject Item	Cobalt compounds			Copper (and compounds)			Cresol			Cumene			Dichloromethane		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 045															
21-93g															
EQT 046															
21-93h															
EQT 047															
22-01p															
EQT 048															
22-93b															
EQT 049															
22-93f															
EQT 050															
22-93h															
EQT 051															
22-93i															
EQT 052															
22-93j															
EQT 053															
22-93l															
EQT 054															
28-93a															
EQT 055															
28-93b															
EQT 056															
28-93c															
EQT 057															
28-93d															
EQT 058															
28-93e															
EQT 059															
28-93f															
EQT 060															
28-93g															
EQT 061															
28-93h															
EQT 062															
28-93k															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
 Activity Number: PER20050002
 Permit Number: 0760-00006-V7
 Air - Title V Regular Permit Major Mod

All phases

Subject Item	Ethyl benzene			Ethylene oxide			Formaldehyde			Glycol ethers (Table 51.1)			Hydrochloric acid		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 045 21-93g															
EQT 046 21-93h															
EQT 047 22-01p								< 0.001							
EQT 048 22-93b															
EQT 049 22-93f															
EQT 050 22-93h															
EQT 051 22-93i															
EQT 052 22-93j															
EQT 053 22-93l															
EQT 054 28-93a							< 0.001	< 0.001	< 0.01						
EQT 055 28-93b							< 0.001	< 0.001	< 0.01						
EQT 056 28-93c							< 0.001	< 0.001	< 0.01						
EQT 057 28-93d							< 0.001	< 0.001	< 0.01						
EQT 058 28-93e							< 0.001	< 0.001	< 0.01						
EQT 059 28-93f							< 0.001	< 0.001	< 0.01						
EQT 060 28-93g							< 0.001	< 0.001	< 0.01						
EQT 061 28-93h							< 0.001	< 0.001	< 0.01						
EQT 062 28-93k							< 0.001	< 0.001	< 0.01						

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
 Activity Number: PER20050002
 Permit Number: 0760-00006-V7
 Air - Title V Regular Permit Major Mod

All phases

Subject Item	Hydrofluoric acid			Hydrogen sulfide			Hydroquinone			Lead compounds			Manganese (and compounds)		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 045 21-93g															
EQT 046 21-93h															
EQT 047 22-01p				0.01											
EQT 048 22-93b															
EQT 049 22-93f															
EQT 050 22-93h															
EQT 051 22-93i															
EQT 052 22-93j															
EQT 053 22-93l															
EQT 054 28-93a	0.01	0.01	0.05												
EQT 055 28-93b	0.01	0.01	0.05												
EQT 056 28-93c	0.01	0.01	0.05												
EQT 057 28-93d	0.01	0.01	0.05												
EQT 058 28-93e	0.01	0.01	0.05												
EQT 059 28-93f	0.91	0.91	4												
EQT 060 28-93g	0.91	0.91	4												
EQT 061 28-93h	2	2	8.8												
EQT 062 28-93k	0.003	0.003	0.01												

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

All phases

Subject Item	Mercury (and compounds)			Methanol			Methyl chloride			Methyl ethyl ketone			Methyl isobutyl ketone		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 045 21-93g					0.15						0.003			< 0.001	
EQT 046 21-93h					0.16						0.003			< 0.001	
EQT 047 22-01p					0.24						0.01			0.001	
EQT 048 22-93b					0.76						0.02			0.001	
EQT 049 22-93f					0.3						0.01			< 0.001	
EQT 050 22-93h					0.45						0.01			0.001	
EQT 051 22-93i					0.57						0.01			0.001	
EQT 052 22-93j					0.25						0.01			< 0.001	
EQT 053 22-93l					0.58						0.01			0.001	
EQT 054 28-93a				0.71	0.71	3.1				0.004	0.004	0.02	< 0.001	< 0.001	< 0.01
EQT 055 28-93b				0.71	0.71	3.1				0.004	0.004	0.02	< 0.001	< 0.001	< 0.01
EQT 056 28-93c				1.3	1.3	5.7				0.02	0.02	0.09	0.001	0.001	< 0.01
EQT 057 28-93d				1.4	1.4	6.0				0.02	0.02	0.07	< 0.001	< 0.001	< 0.01
EQT 058 28-93e				1.4	1.4	6.0				0.02	0.02	0.09	0.001	0.001	
EQT 059 28-93f				0.09	0.09	0.4				0.02	0.02	0.08	< 0.001	< 0.001	< 0.01
EQT 060 28-93g				0.09	0.09	0.4				0.02	0.02	0.08	< 0.001	< 0.001	< 0.01
EQT 061 28-93h				0.13	0.13	0.58				0.02	0.02	0.07	< 0.001	< 0.001	< 0.01
EQT 062 28-93k				0.001	0.001	0.01				< 0.001	< 0.001	< 0.01	< 0.001	< 0.001	< 0.01

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
 Activity Number: PER20050002
 Permit Number: 0760-00006-V7
 Air - Title V Regular Permit Major Mod

All phases

Subject Item	Naphthalene			Naphthalene (and Methyl naphthalenes)			Nickel (and compounds)			Phenol			Polycyclic Organic Matter (PM)		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 045															
21-93g															
EQT 046															
21-93h															
EQT 047															
22-01p															
EQT 048															
22-93b															
EQT 049															
22-93f															
EQT 050															
22-93h															
EQT 051															
22-93i															
EQT 052															
22-93j															
EQT 053															
22-93l															
EQT 054															
28-93a															
EQT 055															
28-93b															
EQT 056															
28-93c															
EQT 057															
28-93d															
EQT 058															
28-93e															
EQT 059															
28-93f															
EQT 060															
28-93g															
EQT 061															
28-93h															
EQT 062															
28-93k															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
 Activity Number: PER20050002
 Permit Number: 0760-00006-V7
 Air - Title V Regular Permit Major Mod

All phases

Subject Item	Polynuclear Aromatic Hydrocarbons			Propionaldehyde			Selenium (and compounds)			Styrene			Sulfuric acid		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 045 21-93g															
EQT 046 21-93h															
EQT 047 22-01p															
EQT 048 22-93b															
EQT 049 22-93f															
EQT 050 22-93h															
EQT 051 22-93i															
EQT 052 22-93j															
EQT 053 22-93l															
EQT 054 28-93a							< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.01			
EQT 055 28-93b							< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.01			
EQT 056 28-93c							< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.01			
EQT 057 28-93d							< 0.001	< 0.001	< 0.001	< 0.001	< 0.001				
EQT 058 28-93e							< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.01			
EQT 059 28-93f							< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.01			
EQT 060 28-93g							< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.01			
EQT 061 28-93h							< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.01			
EQT 062 28-93k							< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.01			

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

All phases

Subject Item	Tetrachloroethylene			Toluene			Total reduced sulfur			Trichloroethylene			Triethyl amine		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 045 21-93g					< 0.001				0.03						
EQT 046 21-93h					< 0.001				0.03						
EQT 047 22-01p					< 0.001				0.13						
EQT 048 22-93b					0.001				0.15						
EQT 049 22-93f					< 0.001				0.06						
EQT 050 22-93h					0.001				0.09						
EQT 051 22-93i					0.001				0.11						
EQT 052 22-93j					< 0.001				0.05						
EQT 053 22-93l					0.001				0.11						
EQT 054 28-93a				< 0.001	< 0.001	< 0.01		0.04	0.04	0.19					
EQT 055 28-93b				< 0.001	< 0.001	< 0.01		0.04	0.04	0.19					
EQT 056 28-93c				0.002	0.002	0.01		0.19	0.19	0.8					
EQT 057 28-93d				< 0.001	< 0.001	< 0.01		0.09	0.09	0.39					
EQT 058 28-93e				0.002	0.002	0.01		0.19	0.19	0.8					
EQT 059 28-93f				< 0.001	< 0.001	< 0.01		0.96	0.96	4.2					
EQT 060 28-93g				< 0.001	< 0.001	< 0.01		0.96	0.96	4.2					
EQT 061 28-93h				< 0.001	< 0.001	< 0.01		2.1	2.1	9.3					
EQT 062 28-93k				< 0.001	< 0.001	< 0.01		0.003	0.003	0.01					

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

All phases

Subject Item	Xylene (mixed isomers)			Zinc (and compounds)			n-Hexane		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 045 21-93g		< 0.001						< 0.001	
EQT 046 21-93h		< 0.001						< 0.001	
EQT 047 22-01p		< 0.001						< 0.001	
EQT 048 22-93b		0.001						0.001	
EQT 049 22-93f		< 0.001						< 0.001	
EQT 050 22-93h		0.001						< 0.001	
EQT 051 22-93i		0.001						< 0.001	
EQT 052 22-93j		< 0.001						< 0.001	
EQT 053 22-93l		0.001						< 0.001	
EQT 054 28-93a	0.001	0.001	< 0.01				< 0.001	< 0.001	< 0.01
EQT 055 28-93b	0.001	0.001	< 0.01				< 0.001	< 0.001	< 0.01
EQT 056 28-93c	0.001	0.001	0.01				0.001	< 0.001	< 0.01
EQT 057 28-93d	0.001	0.001	< 0.01						
EQT 058 28-93e	0.001	0.001	0.01				0.001	< 0.001	< 0.01
EQT 059 28-93f	< 0.001	< 0.001	< 0.01				0.001	< 0.001	< 0.01
EQT 060 28-93g	< 0.001	< 0.001	< 0.01				0.001	< 0.001	< 0.01
EQT 061 28-93h	< 0.001	< 0.001	< 0.01				< 0.001	< 0.001	< 0.01
EQT 062 28-93k	< 0.001	< 0.001	< 0.01				< 0.001	< 0.001	< 0.01

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

All phases

Subject Item	1,1,1-Trichloroethane			1,1,2-Trichloroethane			1,2,4-Trichlorobenzene			1,2-Dichloropropane			1,3-Butadiene		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 063 28-93i				< 0.001	< 0.001	< 0.01	< 0.001	< 0.001	< 0.001	< 0.01					
EQT 064 28-93m				< 0.001	< 0.001	< 0.01	< 0.001	< 0.001	< 0.001	< 0.01					
EQT 065 28-93n				< 0.001	< 0.001	< 0.01	< 0.001	< 0.001	< 0.001	< 0.01					
EQT 066 28-93o															
EQT 067 28-93p															
EQT 068 28-93q															
EQT 069 28-93r															
EQT 070 28-93s															
EQT 071 29-93a															
EQT 072 29-93b															
EQT 073 29-93c															
EQT 074 29-93d															
EQT 075 29-93i															
EQT 076 29-93k															
EQT 077 29-93l															
EQT 078 29-93m															
EQT 079 29-93n															
EQT 080 29-93o															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

All phases

Subject Item	2,2,4-Trimethylpentane			2,3,7,8-Tetrachlorodibenzo-p-Dioxin			Acetaldehyde			Acetophenone			Acrolein		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 063 28-93l													< 0.001	< 0.001	< 0.01
EQT 064 28-93m													< 0.001	< 0.001	< 0.01
EQT 065 28-93n													< 0.001	< 0.001	< 0.01
EQT 066 28-93o													< 0.001	< 0.001	< 0.01
EQT 067 28-93p													< 0.001	< 0.001	< 0.01
EQT 068 28-93q													< 0.001	< 0.001	< 0.01
EQT 069 28-93r							< 0.001	< 0.001	< 0.01				< 0.001	< 0.001	< 0.01
EQT 070 28-93s													< 0.001	< 0.001	< 0.01
EQT 071 28-93s													< 0.001	< 0.001	< 0.01
EQT 072 28-93b													< 0.001	< 0.001	< 0.01
EQT 073 28-93c													< 0.001	< 0.001	< 0.01
EQT 074 28-93d													< 0.001	< 0.001	< 0.01
EQT 075 28-93j													< 0.001	< 0.001	< 0.01
EQT 076 28-93k													< 0.001	< 0.001	< 0.01
EQT 077 28-93l													< 0.001	< 0.001	< 0.01
EQT 078 28-93m													< 0.001	< 0.001	< 0.01
EQT 079 28-93n							0.004	0.01	0.02				< 0.001	< 0.001	< 0.01
EQT 080 28-93o							0.004	0.01	0.02				< 0.001	< 0.001	< 0.01

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
 Activity Number: PER20050002
 Permit Number: 0760-00006-V7
 Air - Title V Regular Permit Major Mod

All phases

Subject Item	Ammonia			Antimony (and compounds)			Arsenic (and compounds)			Barium (and compounds)			Benzene		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 063 28-93i															
EQT 064 28-93m															
EQT 065 28-93h															
EQT 066 28-93b															
EQT 067 28-93p															
EQT 068 28-93q															
EQT 069 28-93r															
EQT 070 28-93s															
EQT 071 29-93a															
EQT 072 29-93b															
EQT 073 29-93c															
EQT 074 29-93d															
EQT 075 29-93j															
EQT 076 29-93k															
EQT 077 29-93l															
EQT 078 29-93m															
EQT 079 29-93n															
EQT 080 29-93o															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
 Activity Number: PER20050002
 Permit Number: 0760-00006-V7
 Air - Title V Regular Permit Major Mod

All phases

Subject Item	Beryllium (Table 51.1)			Biphenyl			Cadmium (and compounds)			Carbon disulfide			Chlorinated Dibenzo-P-Dioxins		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 063															
28-93l															
EQT 064															
28-93m															
EQT 065															
28-93n															
EQT 066															
28-93o															
EQT 067															
28-93p															
EQT 068															
28-93q															
EQT 069															
28-93r															
EQT 070															
28-93s															
EQT 071															
28-93a															
EQT 072															
29-93b															
EQT 073															
29-93c															
EQT 074															
29-93d															
EQT 075															
29-93j															
EQT 076															
29-93k															
EQT 077															
29-93l															
EQT 078															
29-93m															
EQT 079															
29-93n															
EQT 080															
29-93o															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
 Activity Number: PER20050002
 Permit Number: 0760-00006-V7
 Air - Title V Regular Permit Major Mod

All phases

Subject Item	Chlorinated dibenzofurans			Chlorine			Chlorobenzene			Chloroform			Chromium VI (and compounds)		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 063															
28-93l															
EQT 064															
28-93m															
EQT 065															
28-93n															
EQT 066															
28-93o															
EQT 067															
28-93p															
EQT 068															
28-93q															
EQT 069															
28-93r															
EQT 070															
28-93s															
EQT 071															
29-93a															
EQT 072															
29-93b															
EQT 073															
29-93c															
EQT 074															
29-93d															
EQT 075															
29-93e															
EQT 076															
29-93k															
EQT 077															
29-93l															
EQT 078															
29-93m															
EQT 079															
29-93n															
EQT 080															
29-93o															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

All phases

Subject Item	Cobalt compounds			Copper (and compounds)			Cresol			Cumene			Dichloromethane		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 063															
28-93i															
EQT 064															
28-93m															
EQT 065															
28-93n															
EQT 066															
28-93o															
EQT 067															
28-93p															
EQT 068															
28-93q															
EQT 069															
28-93r															
EQT 070															
28-93s															
EQT 071															
29-93a															
EQT 072															
28-93b															
EQT 073															
29-93c															
EQT 074															
29-93d															
EQT 075															
29-93e															
EQT 076															
29-93k															
EQT 077															
29-93l															
EQT 078															
29-93m															
EQT 079															
29-93n															
EQT 080															
29-93o															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
 Activity Number: PER20050002
 Permit Number: 0760-00006-V7
 Air - Title V Regular Permit Major Mod

All phases

Subject Item	Ethyl benzene			Ethylene oxide			Formaldehyde			Glycol ethers (Table 51.1)			Hydrochloric acid		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 063 28-93i															
EQT 064 28-93m															
EQT 065 28-93n															
EQT 066 28-93o				0.001	0.001	< 0.01									
EQT 067 28-93p				0.001	0.001	< 0.01									
EQT 068 28-93q				0.001	0.001	< 0.01									
EQT 069 28-93r				0.001	0.001	< 0.01									
EQT 070 28-93s				0.001	0.001	< 0.01									
EQT 071 29-93a															
EQT 072 29-93b															
EQT 073 29-93c															
EQT 074 29-93d															
EQT 075 29-93j				0.001	0.001	0.01				0.002	0.002	0.01			
EQT 076 29-93k				0.001	0.001	0.01				0.002	0.002	0.01			
EQT 077 29-93l				0.001	0.001	0.01				0.002	0.002	0.01			
EQT 078 29-93m				0.001	0.001	0.01				0.002	0.002	0.01			
EQT 079 29-93n				0.001	0.001	< 0.01				0.001	0.001	< 0.01			
EQT 080 29-93o				0.001	0.001	< 0.01				0.001	0.001	< 0.01			

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
 Activity Number: PER20050002
 Permit Number: 0760-00006-V7
 Air - Title V Regular Permit Major Mod

All phases

Subject Item	Hydrofluoric acid			Hydrogen sulfide			Hydroquinone			Lead compounds			Manganese (and compounds)		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 063 28-93l				0.003	0.003	0.01									
EQT 064 28-93m				0.003	0.003	0.01									
EQT 065 28-93n				0.01	0.01	0.02									
EQT 066 28-93o				0.01	0.01	0.06									
EQT 067 28-93p				0.01	0.01	0.06									
EQT 068 28-93q				0.01	0.01	0.06									
EQT 069 28-93r				0.01	0.01	0.06									
EQT 070 28-93s				0.01	0.01	0.06									
EQT 071 29-93a				0.005	0.01	0.02									
EQT 072 29-93b				0.005	0.01	0.02									
EQT 073 29-93c				0.001	0.001	< 0.01									
EQT 074 29-93d				0.001	0.001	< 0.01									
EQT 075 29-93j				0.01	0.01	0.04									
EQT 076 29-93k				0.01	0.01	0.04									
EQT 077 29-93l				0.01	0.01	0.04									
EQT 078 29-93m				0.01	0.01	0.04									
EQT 079 29-93n				0.01	0.01	0.03									
EQT 080 29-93o				0.01	0.01	0.03									

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
 Activity Number: PER20050002
 Permit Number: 0760-00006-V7
 Air - Title V Regular Permit Major Mod

All phases

Subject Item	Mercury (and compounds)			Methanol			Methyl chloride			Methyl ethyl ketone			Methyl isobutyl ketone		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 063 28-93l				0.001	0.001	0.01				< 0.001	< 0.001	< 0.01	< 0.001	< 0.001	< 0.01
EQT 064 28-93m				0.001	0.001	0.01				< 0.001	< 0.001	< 0.01	< 0.001	< 0.001	< 0.01
EQT 065 28-93n				0.002	0.002	0.01				< 0.001	< 0.001	< 0.01	< 0.001	< 0.001	< 0.01
EQT 066 28-93o				0.003	0.003	0.01				< 0.001	< 0.001	< 0.01	< 0.001	< 0.001	< 0.01
EQT 067 28-93p				0.003	0.003	0.01				< 0.001	< 0.001	< 0.01	< 0.001	< 0.001	< 0.01
EQT 068 28-93q				0.003	0.003	0.01				< 0.001	< 0.001	< 0.01	< 0.001	< 0.001	< 0.01
EQT 069 28-93r				0.003	0.003	0.01				< 0.001	< 0.001	< 0.01	< 0.001	< 0.001	< 0.01
EQT 070 28-93s				0.003	0.003	0.01				< 0.001	< 0.001	< 0.01	< 0.001	< 0.001	< 0.01
EQT 071 29-93a				1.3	2	5.7				0.002	0.003	0.01	< 0.001	< 0.001	< 0.01
EQT 072 29-93b				1.3	2	5.7				0.002	0.003	0.01	< 0.001	< 0.001	< 0.01
EQT 073 29-93c				0.01	0.02	0.05				< 0.001	< 0.001	< 0.01	< 0.001	< 0.001	< 0.01
EQT 074 29-93d				0.01	0.02	0.05				< 0.001	< 0.001	< 0.01	< 0.001	< 0.001	< 0.01
EQT 075 29-93j				0.11	0.17	0.48				0.001	0.001	0.01	< 0.001	< 0.001	< 0.01
EQT 076 29-93k				0.11	0.17	0.48				0.001	0.001	0.01	< 0.001	< 0.001	< 0.01
EQT 077 29-93l				0.11	0.17	0.48				0.001	0.001	0.01	< 0.001	< 0.001	< 0.01
EQT 078 29-93m				0.11	0.17	0.48				0.001	0.001	0.01	< 0.001	< 0.001	< 0.01
EQT 079 29-93n				0.07	0.11	0.32				< 0.001	0.001	0.01	< 0.001	< 0.001	< 0.01
EQT 080 29-93o				0.07	0.11	0.32				< 0.001	0.001	0.01	< 0.001	< 0.001	< 0.01

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
 Activity Number: PER200500002
 Permit Number: 0760-00006-V7
 Air - Title V Regular Permit Major Mod

All phases

Subject Item	Naphthalene			Naphthalene (and Methyl naphthalenes)			Nickel (and compounds)			Phenol			Polycyclic Organic Matter (POM)		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 063 28-93i															
EQT 064 28-93m															
EQT 065 28-93n															
EQT 066 28-93o															
EQT 067 28-93p															
EQT 068 28-93q															
EQT 069 28-93r															
EQT 070 28-93s															
EQT 071 29-93a															
EQT 072 29-93b															
EQT 073 29-93c															
EQT 074 29-93d															
EQT 075 29-93j															
EQT 076 29-93k															
EQT 077 29-93l															
EQT 078 29-93m															
EQT 079 29-93n															
EQT 080 29-93o															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
 Activity Number: PER20050002
 Permit Number: 0760-00006-V7
 Air - Title V Regular Permit Major Mod

All phases

Subject Item	Polynuclear Aromatic Hydrocarbons			Propionaldehyde			Selenium (and compounds)			Styrene			Sulfuric acid		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 063 28-93l															
EQT 064 28-93m															
EQT 065 28-93n															
EQT 066 28-93o															
EQT 067 28-93p															
EQT 068 28-93q															
EQT 069 28-93r															
EQT 070 28-93s															
EQT 071 29-93a															
EQT 072 29-93b															
EQT 073 29-93c															
EQT 074 29-93d															
EQT 075 29-93e															
EQT 076 29-93k															
EQT 077 29-93l															
EQT 078 29-93m															
EQT 079 29-93n															
EQT 080 29-93o															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

All phases

Subject Item	Tetrachloroethylene			Toluene			Total reduced sulfur			Trichloroethylene			Triethyl amine		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 063 28-93i				< 0.001	< 0.001	< 0.01	0.003	0.003	0.01						
EQT 064 28-93m				< 0.001	< 0.001	< 0.01	0.003	0.003	0.01						
EQT 065 28-93n				< 0.001	< 0.001	< 0.01	0.01	0.01	0.02						
EQT 066 28-93o				< 0.001	< 0.001	< 0.01	0.01	0.01	0.06						
EQT 067 28-93p				< 0.001	< 0.001	< 0.01	0.01	0.01	0.06						
EQT 068 28-93q				< 0.001	< 0.001	< 0.01	0.01	0.01	0.06						
EQT 069 28-93r				< 0.001	< 0.001	< 0.01	0.01	0.01	0.06						
EQT 070 28-93s				< 0.001	< 0.001	< 0.01	0.01	0.01	0.06						
EQT 071 29-93a				< 0.001	< 0.001	< 0.01	0.01	0.02	0.04						
EQT 072 29-93b				< 0.001	< 0.001	< 0.01	0.01	0.02	0.04						
EQT 073 29-93c				< 0.001	< 0.001	< 0.01	0.001	0.002	< 0.01						
EQT 074 29-93d				< 0.001	< 0.001	< 0.01	0.001	0.002	< 0.01						
EQT 075 29-93e				0.001	0.001	< 0.01	0.02	0.03	0.08						
EQT 076 29-93k				0.001	0.001	< 0.01	0.02	0.03	0.08						
EQT 077 29-93l				0.001	0.001	< 0.01	0.02	0.03	0.08						
EQT 078 29-93m				0.001	0.001	< 0.01	0.02	0.03	0.08						
EQT 079 29-93n				< 0.001	0.001	< 0.01	0.01	0.02	0.05						
EQT 080 29-93o				< 0.001	0.001	< 0.01	0.01	0.02	0.05						

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

All phases

Subject Item	Xylene (mixed isomers)			Zinc (and compounds)			n-Hexane		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 063 28-93i	< 0.001	< 0.001	< 0.01				< 0.001	< 0.001	< 0.01
EQT 064 28-93m	< 0.001	< 0.001	< 0.01				< 0.001	< 0.001	< 0.01
EQT 065 28-93n	< 0.001	< 0.001	< 0.01				< 0.001	< 0.001	< 0.01
EQT 066 28-93o	< 0.001	< 0.001	< 0.01				< 0.001	< 0.001	< 0.01
EQT 067 28-93p	< 0.001	< 0.001	< 0.01				< 0.001	< 0.001	< 0.01
EQT 068 28-93q	< 0.001	< 0.001	< 0.01				< 0.001	< 0.001	< 0.01
EQT 069 28-93r	< 0.001	< 0.001	< 0.01				< 0.001	< 0.001	< 0.01
EQT 070 28-93s	< 0.001	< 0.001	< 0.01				< 0.001	< 0.001	< 0.01
EQT 071 29-93a	0.002	0.003	0.01				< 0.001	< 0.001	< 0.01
EQT 072 29-93b	0.002	0.003	0.01				< 0.001	< 0.001	< 0.01
EQT 073 29-93c	< 0.001	< 0.001	< 0.01				< 0.001	< 0.001	< 0.01
EQT 074 29-93d	< 0.001	< 0.001	< 0.01				< 0.001	< 0.001	< 0.01
EQT 075 29-93j	< 0.001	< 0.001	< 0.01						
EQT 076 29-93k	< 0.001	< 0.001	< 0.01						
EQT 077 29-93l	< 0.001	< 0.001	< 0.01						
EQT 078 29-93m	< 0.001	< 0.001	< 0.01						
EQT 079 29-93n	< 0.001	< 0.001	< 0.01						
EQT 080 29-93o	< 0.001	< 0.001	< 0.01						

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

All phases

Subject Item	1,1,1-Trichloroethane			1,1,2-Trichloroethane			1,2,4-Trichlorobenzene			1,2-Dichloropropane			1,3-Butadiene		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 081 29-93p															
EQT 082 29-93q															
EQT 083 29-93r															
EQT 084 29-93v															
EQT 085 29-93w															
EQT 086 29-93x															
EQT 087 31-93i															
EQT 088 31-93j															
EQT 089 31-93k															
EQT 090 31-93l															
EQT 091 31-93m															
EQT 092 31-93n															
EQT 093 31-93o															
EQT 094 31-93p															
EQT 096 40-96															
EQT 097 41-96															
EQT 100 56-98b				< 0.001	0.001	< 0.01	< 0.001	< 0.001	< 0.001	< 0.001	< 0.01	< 0.001	< 0.01		
EQT 101 56-98c				< 0.001	0.001	< 0.01	< 0.001	< 0.001	< 0.001	< 0.001	< 0.01	< 0.001	< 0.01		

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

All phases

Subject Item	2,2,4-Trimethylpentane			2,3,7,8-Tetrachlorodibenzo-p-Dioxin			Acetaldehyde			Acetophenone			Acrolein		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 081 29-93p							0.004	0.01	0.02				< 0.001	< 0.001	< 0.01
EQT 082 29-93q							< 0.001	< 0.001	< 0.01				0.001	0.002	< 0.01
EQT 083 29-93r							0.004	0.01	0.02				0.001	0.001	< 0.01
EQT 084 29-93v							0.01	0.01	0.03				< 0.001	< 0.001	< 0.01
EQT 085 29-93w															
EQT 086 29-93x															
EQT 087 31-93i							0.08	0.08	0.33						
EQT 088 31-93j							0.08	0.08	0.33						
EQT 089 31-93k							0.08	0.08	0.33						
EQT 090 31-93l							0.08	0.08	0.36						
EQT 091 31-93m							0.31	0.31	1.4						
EQT 092 31-93n							0.01	0.01	0.02				< 0.001	< 0.001	< 0.01
EQT 093 31-93o							0.01	0.01	0.02				< 0.001	< 0.001	< 0.01
EQT 094 31-93p							0.01	0.01	0.02				< 0.001	< 0.001	< 0.01
EQT 096 40-96															
EQT 097 41-96															
EQT 100 56-98b							0.002	0.003	0.01				< 0.001	< 0.001	< 0.01
EQT 101 56-98c								0.002	0.01				< 0.001	< 0.001	< 0.01

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

All phases

Subject Item	Ammonia			Antimony (and compounds)			Arsenic (and compounds)			Barium (and compounds)			Benzene		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 081 29-93p													< 0.001	< 0.001	< 0.01
EQT 082 29-93q															
EQT 083 29-93t													< 0.001	< 0.001	< 0.01
EQT 084 29-93v													< 0.001	< 0.001	< 0.01
EQT 085 29-93w															
EQT 086 29-93x															
EQT 087 31-93i													0.001	0.001	< 0.01
EQT 088 31-93j													0.001	0.001	< 0.01
EQT 089 31-93k													0.001	0.001	< 0.01
EQT 090 31-93l													< 0.001	< 0.001	< 0.01
EQT 091 31-93m															
EQT 092 31-93n													< 0.001	< 0.001	< 0.01
EQT 093 31-93o													< 0.001	< 0.001	< 0.01
EQT 094 31-93p													< 0.001	< 0.001	< 0.01
EQT 096 40-96													0.08	0.08	0.35
EQT 097 41-96													0.004	0.004	0.02
EQT 100 56-98b													< 0.001	< 0.001	< 0.01
EQT 101 56-98c													< 0.001	< 0.001	< 0.01

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

All phases

Subject Item	Beryllium (Table 51.1)			Biphenyl			Cadmium (and compounds)			Carbon disulfide			Chlorinated Dibenzo-P-Dioxins		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 081 29-93p															
EQT 082 29-93q															
EQT 083 29-93t															
EQT 084 29-93v															
EQT 085 29-93w															
EQT 086 29-93x															
EQT 087 31-93i															
EQT 088 31-93j															
EQT 089 31-93k															
EQT 090 31-93l															
EQT 091 31-93m															
EQT 092 31-93n															
EQT 093 31-93o															
EQT 094 31-93p															
EQT 096 40-96															
EQT 097 41-96															
EQT 100 56-98b															
EQT 101 56-98c															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

All phases

Subject Item	Chlorinated dibenzofurans			Chlorine			Chlorobenzene			Chloroform			Chromium VI (and compounds)		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 081															
29-93p															
EQT 082															
29-93q															
EQT 083															
29-93i															
EQT 084															
29-93v															
EQT 085															
29-93w															
EQT 086															
29-93x															
EQT 087															
31-93i															
EQT 088															
31-93j															
EQT 089															
31-93k															
EQT 090															
31-93l															
EQT 091															
31-93m															
EQT 092															
31-93n															
EQT 093															
31-93o															
EQT 094															
31-93p															
EQT 096															
40-96															
EQT 097															
41-96															
EQT 100															
56-98b															
EQT 101															
56-98c															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
 Activity Number: PER20050002
 Permit Number: 0760-00006-V7
 Air - Title V Regular Permit Major Mod

All phases

Subject Item	Cobalt compounds			Copper (and compounds)			Cresol			Cumene			Dichloromethane		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 081 29-93p															
EQT 082 29-93q															
EQT 083 29-93t															
EQT 084 29-93v															
EQT 085 29-93w															
EQT 086 29-93x															
EQT 087 31-93i															
EQT 088 31-93j															
EQT 089 31-93k															
EQT 090 31-93l															
EQT 091 31-93m															
EQT 092 31-93n															
EQT 093 31-93o															
EQT 094 31-93p															
EQT 096 40-96															
EQT 097 41-96															
EQT 100 56-98b															
EQT 101 56-98c															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
 Activity Number: PER20050002
 Permit Number: 0760-00006-V7
 Air - Title V Regular Permit Major Mod

All phases

Subject item	Ethyl benzene			Ethylene oxide			Formaldehyde			Glycol ethers (Table 51.1)			Hydrochloric acid		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 081 29-93p							0.001	0.001	0.001 <						
EQT 082 29-93q							0.004	0.01	0.02						
EQT 083 29-93i							0.002	0.003	0.01						
EQT 084 29-93v							0.001	0.002	0.01						
EQT 085 29-93w															
EQT 086 29-93x															
EQT 087 31-93i															
EQT 088 31-93j															
EQT 089 31-93k															
EQT 090 31-93l															
EQT 091 31-93m															
EQT 092 31-93n							< 0.001	< 0.001	< 0.01						
EQT 093 31-93o							< 0.001	< 0.001	< 0.01						
EQT 094 31-93p							< 0.001	< 0.001	< 0.01						
EQT 096 40-96	0.004	0.004	0.02												
EQT 097 41-96	< 0.001	< 0.001	< 0.01												
EQT 100 56-98b															
EQT 101 56-98c															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

All phases

Subject Item	Hydrofluoric acid			Hydrogen sulfide			Hydroquinone			Lead compounds			Manganese (and compounds)		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 081 29-93p				0.01	0.01	0.03									
EQT 082 29-93q				0.001	0.001	< 0.01									
EQT 083 29-93t				0.03	0.04	0.13									
EQT 084 29-93v				0.01	0.01	0.04									
EQT 085 29-93w				0.001	0.001	0.01									
EQT 086 29-93x				0.001	0.001	0.01									
EQT 087 31-93i				0.06	0.06	0.26									
EQT 088 31-93j				0.06	0.06	0.26									
EQT 089 31-93k				0.06	0.06	0.26									
EQT 090 31-93l				0.04	0.04	0.19									
EQT 091 31-93m				0.03	0.03	0.15									
EQT 092 31-93n				0.01	0.01	0.04									
EQT 093 31-93o				0.01	0.01	0.04									
EQT 094 31-93p				0.01	0.01	0.04									
EQT 095 40-96															
EQT 097 41-96															
EQT 100 56-98b				0.01	0.03	0.06									
EQT 101 56-98c				0.01	0.03	0.06									

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
 Activity Number: PER20050002
 Permit Number: 0760-00006-V7
 Air - Title V Regular Permit Major Mod

All phases

Subject Item	Mercury (and compounds)			Methanol			Methyl chloride			Methyl ethyl ketone			Methyl isobutyl ketone		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 081 29-93p				0.07	0.11	0.32				< 0.001	0.001	< 0.01	< 0.001	0.001	< 0.01
EQT 082 29-93q				0.04	0.05	0.16				< 0.001	0.001	< 0.01	< 0.001	0.001	< 0.01
EQT 083 29-93t				1.9	2.8	8.2				0.01	0.01	0.02	< 0.001	0.001	< 0.01
EQT 084 29-93v				0.11	0.17	0.48				0.001	0.001	< 0.01	< 0.001	0.001	< 0.01
EQT 085 29-93w															
EQT 086 29-93x															
EQT 087 31-93j				5.0	5.0	21.9				0.11	0.11	0.48	0.002	0.002	0.01
EQT 088 31-93k				5.0	5.0	21.9				0.11	0.11	0.48	0.002	0.002	0.01
EQT 089 31-93l				5.0	5.0	21.9				0.11	0.11	0.48	0.002	0.002	0.01
EQT 090 31-93m				4.7	4.7	20.6				0.14	0.14	0.61	0.002	0.002	0.01
EQT 091 31-93n				9.9	9.9	43.2				0.47	0.47	2.1	0.01	0.01	< 0.01
EQT 092 31-93o				0.24	0.24	1.1				0.01	0.01	0.03	0.001	0.001	0.01
EQT 093 31-93p				0.24	0.24	1.1				0.01	0.01	0.03	0.001	0.001	0.01
EQT 094 31-93q				0.24	0.24	1.1				0.01	0.01	0.03	0.001	0.001	0.01
EQT 096 40-96															
EQT 097 41-96															
EQT 100 56-98b				0.01	0.01	0.03				< 0.001	< 0.001	< 0.01	< 0.001	< 0.001	< 0.01
EQT 101 56-98c				0.01	0.01	0.03				< 0.001	< 0.001	< 0.01	< 0.001	< 0.001	< 0.01

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

All phases

Subject Item	Naphthalene			Naphthalene (and Methyl naphthalenes)			Nickel (and compounds)			Phenol			Polycyclic Organic Matter (POM)		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 081 29-93p															
EQT 082 29-93q															
EQT 083 29-93t															
EQT 084 29-93v															
EQT 085 29-93w															
EQT 086 29-93x															
EQT 087 31-93i															
EQT 088 31-93j															
EQT 089 31-93k															
EQT 090 31-93l															
EQT 091 31-93m															
EQT 092 31-93n															
EQT 093 31-93o															
EQT 094 31-93p															
EQT 096 40-96															
EQT 097 41-96															
EQT 100 56-98b															
EQT 101 56-98c															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

All phases

Subject Item	Polynuclear Aromatic Hydrocarbons			Propionaldehyde			Selenium (and compounds)			Styrene			Sulfuric acid		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 081 29-93p															
EQT 082 29-93q															
EQT 083 29-93t										0.002	0.003	0.01			
EQT 084 29-93v										< 0.001	< 0.001	< 0.01			
EQT 085 29-93w															
EQT 086 29-93x															
EQT 087 31-93i										0.04	0.04	0.15			
EQT 088 31-93j										0.04	0.04	0.15			
EQT 089 31-93k										0.04	0.04	0.15			
EQT 090 31-93l										0.004	0.004	0.02			
EQT 091 31-93m										0.01	0.01	0.03			
EQT 092 31-93n										0.001	0.001	< 0.01			
EQT 093 31-93o										0.001	0.001	< 0.01			
EQT 094 31-93p										0.001	0.001	< 0.01			
EQT 096 40-96															
EQT 097 41-96															
EQT 100 56-98b										< 0.001	< 0.001	< 0.01			
EQT 101 56-98c										< 0.001	< 0.001	< 0.01			

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

All phases

Subject Item	Tetrachloroethylene			Toluene			Total reduced sulfur			Trichloroethylene			Triethyl amine		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 081 29-93p				< 0.001	0.001	< 0.01	0.01	0.02	0.05						
EQT 082 29-93q				< 0.001	< 0.001	< 0.01	0.001	0.002	0.01						
EQT 083 29-93r				0.001	0.001	< 0.01	0.06	0.08	0.2						
EQT 084 29-93v				0.001	0.001	< 0.01	0.02	0.03	0.08						
EQT 085 29-93w							0.001	0.001	0.01						
EQT 086 29-93x							0.001	0.001	0.01						
EQT 087 31-93i				0.01	0.01	0.05	0.82	0.82	3.6						
EQT 088 31-93j				0.01	0.01	0.05	0.82	0.82	3.6						
EQT 089 31-93k				0.01	0.01	0.05	0.82	0.82	3.6						
EQT 090 31-93l				0.001	0.001	0.01	0.59	0.59	2.6						
EQT 091 31-93m				0.003	0.003	0.01	0.45	0.45	2.0						
EQT 092 31-93n				< 0.001	< 0.001	< 0.01	0.13	0.13	0.5						
EQT 093 31-93o				< 0.001	< 0.001	< 0.01	0.13	0.13	0.5						
EQT 094 31-93p				< 0.001	< 0.001	< 0.01	0.13	0.13	0.5						
EQT 096 40-96				0.07	0.07	0.3									
EQT 097 41-96				0.003	0.003	0.01									
EQT 100 56-98b				< 0.001	< 0.001	< 0.01	0.01	0.03	0.06						
EQT 101 56-98c				< 0.001	< 0.001	< 0.01	0.01	0.03	0.06						

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
 Activity Number: PER20050002
 Permit Number: 0760-00006-V7
 Air - Title V Regular Permit Major Mod

All phases

Subject Item	Xylene (mixed isomers)			Zinc (and compounds)			n-Hexane		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 081 29-93p	< 0.001	< 0.001	< 0.01						
EQT 082 29-93q	< 0.001	< 0.001	< 0.01						
EQT 083 29-93t	0.001	0.001	< 0.01						
EQT 084 29-93v	< 0.001	< 0.001	< 0.01						
EQT 085 29-93w									
EQT 086 29-93x									
EQT 087 31-93i	0.01	0.01	0.03				0.004	0.004	0.02
EQT 088 31-93j	0.01	0.01	0.03				0.004	0.004	0.02
EQT 089 31-93k	0.01	0.01	0.03				0.004	0.004	0.02
EQT 090 31-93l	0.002	0.002	0.01				0.002	0.002	0.01
EQT 091 31-93m	0.01	0.01	0.03				0.01	0.01	0.05
EQT 092 31-93n	< 0.001	< 0.001	< 0.01				< 0.001	< 0.001	< 0.01
EQT 093 31-93o	< 0.001	< 0.001	< 0.01				< 0.001	< 0.001	< 0.01
EQT 094 31-93p	< 0.001	< 0.001	< 0.01				< 0.001	< 0.001	< 0.01
EQT 096 40-96	0.02	0.02	0.09				0.7	0.7	3.1
EQT 097 41-96	0.001	0.001	< 0.01				0.03	0.03	0.14
EQT 100 56-98b	< 0.001	< 0.001	< 0.01				< 0.001	< 0.001	< 0.01
EQT 101 56-98c	< 0.001	< 0.001	< 0.01				< 0.001	< 0.001	< 0.01

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

All phases

Subject Item	1,1,1-Trichloroethane			1,1,2-Trichloroethane			1,2,4-Trichlorobenzene			1,2-Dichloropropane			1,3-Butadiene		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 102 56-98d				< 0.001	0.001	< 0.01	< 0.001	< 0.001	< 0.001	< 0.01					
EQT 103 56-98e															
EQT 104 56-98g				< 0.001	< 0.001	< 0.01	< 0.001	< 0.001	< 0.001	< 0.01					
EQT 105 56-98h				< 0.001	< 0.001	< 0.01	< 0.001	< 0.001	< 0.001	< 0.01					
EQT 107															
EQT 108															
EQT 109															
EQT 110															
EQT 111															
EQT 112															
EQT 113															
EQT 114															
EQT 115															
EQT 116															
EQT 117			0.19												
EQT 118			0.01												
EQT 119															
EQT 120															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

All phases

Subject Item	2,2,4-Trimethylpentane			2,3,7,8-Tetrachlorodibenzo-p-Dioxin			Acetaldehyde			Acetophenone			Acrolein		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 102 56-98d									0.002	0.003	0.01				
EQT 103 56-98e															
EQT 104 56-98g									0.001	< 0.01					
EQT 105 56-98h									0.001	< 0.01					
EQT 107 59-00a															
EQT 108 59-00b															
EQT 109 59-00c															
EQT 110 59-00d															
EQT 111 14-93										0.21					
EQT 112 15-93										0.05					
EQT 113 16-93										0.05					
EQT 114 20-01n										0.001					
EQT 115 20-01b										0.01					
EQT 116 20-01p										0.01					
EQT 117 20-93a														0.58	
EQT 118 20-93b														0.02	
EQT 119 20-93c										0.01					
EQT 120 20-93d										0.01					

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

All phases

Subject Item	Ammonia			Antimony (and compounds)			Arsenic (and compounds)			Barium (and compounds)			Benzene		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 102 56-98d													< 0.001	< 0.001	< 0.01
EQT 103 56-98e															
EQT 104 56-98g													< 0.001	< 0.001	< 0.01
EQT 105 56-98h													< 0.001	< 0.001	< 0.01
EQT 107 59-00a															
EQT 108 59-00b															
EQT 109 59-00c															
EQT 110 59-00d															
EQT 111 14-93															
EQT 112 15-93															
EQT 113 16-93															
EQT 114 20-01n														< 0.001	< 0.001
EQT 115 20-01o														< 0.001	< 0.001
EQT 116 20-01p														< 0.001	< 0.001
EQT 117 20-93a														0.04	
EQT 118 20-93b														0.002	
EQT 119 20-93c														< 0.001	< 0.001
EQT 120 20-93d														< 0.001	< 0.001

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

All phases

Subject Item	Beryllium (Table 51.1)			Biphenyl			Cadmium (and compounds)			Carbon disulfide			Chlorinated Dibenzo-P-Dioxins		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 102 56-98d															
EQT 103 56-98e															
EQT 104 56-98g															
EQT 105 56-98h															
EQT 107 59-00a															
EQT 108 59-00b															
EQT 109 59-00c															
EQT 110 59-00d															
EQT 111 14-93															
EQT 112 15-93															
EQT 113 16-93															
EQT 114 20-01n															
EQT 115 20-01o															
EQT 116 20-01p															
EQT 117 20-93a															
EQT 118 20-93b															
EQT 119 20-93c															
EQT 120 20-93d															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

All phases

Subject Item	Chlorinated dibenzofurans			Chlorine			Chlorobenzene			Chloroform			Chromium VI (and compounds)		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 102 56-98d															
EQT 103 56-98e															
EQT 104 56-98g															
EQT 105 56-98h															
EQT 107															
EQT 108															
EQT 109															
EQT 110															
EQT 111															
EQT 112															
EQT 113															
EQT 114															
EQT 115															
EQT 116															
EQT 117															
EQT 118															
EQT 119															
EQT 120															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
 Activity Number: PER20050002
 Permit Number: 0760-00006-V7
 Air - Title V Regular Permit Major Mod

All phases

Subject item	Cobalt compounds			Copper (and compounds)			Cresol			Cumene			Dichloromethane		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 102 56-98d															
EQT 103 56-98e															
EQT 104 56-98g															
EQT 105 56-98h															
EQT 107 59-00a															
EQT 108 59-00b															
EQT 109 59-00c															
EQT 110 59-00d															
EQT 111 14-93															
EQT 112 15-93															
EQT 113 16-93															
EQT 114 20-01n															
EQT 115 20-01o															
EQT 116 20-01p															
EQT 117 20-93a															
EQT 118 20-93b															
EQT 119 20-93c															
EQT 120 20-93d															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

All phases

Subject Item	Ethyl benzene			Ethylene oxide			Formaldehyde			Glycol ethers (Table 51.1)			Hydrochloric acid		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 102 56-98d															
EQT 103 56-98e															
EQT 104 56-98g															
EQT 105 56-98h															
EQT 107 59-00a															
EQT 108 59-00b															
EQT 109 59-00c															
EQT 110 59-00d															
EQT 111 14-93				< 0.001					0.05						
EQT 112 15-93				< 0.001					0.01						
EQT 113 16-93				< 0.001					0.01						
EQT 114 20-01n															
EQT 115 20-01o									< 0.001						
EQT 116 20-01p									< 0.001						
EQT 117 20-93a									2.3				0.26		
EQT 118 20-93b									0.1				0.01		
EQT 119 20-93c															
EQT 120 20-93d															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

All phases

Subject Item	Hydrofluoric acid			Hydrogen sulfide			Hydroquinone			Lead compounds			Manganese (and compounds)		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 102 56-98d				0.01	0.03	0.06									
EQT 103 56-98e															
EQT 104 56-98g				0.001	0.002	< 0.01									
EQT 105 56-98h				0.001	0.002	< 0.01									
EQT 107 59-00a															
EQT 108 59-00b															
EQT 109 59-00c															
EQT 110 59-00d															
EQT 111 14-93															
EQT 112 15-93															
EQT 113 16-93															
EQT 114 20-01n															
EQT 115 20-01o					0.01										
EQT 116 20-01p					0.01										
EQT 117 20-93a															
EQT 118 20-93b															
EQT 119 20-93c															
EQT 120 20-93d															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

All phases

Subject Item	Mercury (and compounds)			Methanol			Methyl chloride			Methyl ethyl ketone			Methyl isobutyl ketone		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 102 56-98d				0.01	0.01	0.03				< 0.001	< 0.001	< 0.01	< 0.001	< 0.001	< 0.01
EQT 103 56-98e															
EQT 104 56-98g				< 0.001	0.001	< 0.01				< 0.001	< 0.001	< 0.01	< 0.001	< 0.001	< 0.01
EQT 105 56-98h				< 0.001	0.001	< 0.01				< 0.001	< 0.001	< 0.01	< 0.001	< 0.001	< 0.01
EQT 107 59-00a															
EQT 108 59-00b															
EQT 109 59-00c															
EQT 110 59-00d															
EQT 111 14-93					0.45										
EQT 112 15-93					0.1										
EQT 113 16-93					0.1										
EQT 114 20-01n					0.05					0.001			< 0.001		
EQT 115 20-01o					0.24					0.01			0.001		
EQT 116 20-01p					0.24					0.01			0.001		
EQT 117 20-93a					208.4					0.97			0.07		
EQT 118 20-93b					8.7					0.04			0.003		
EQT 119 20-93c					0.32					0.01			0.001		
EQT 120 20-93d					0.51					0.01			0.001		

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

All phases

Subject Item	Naphthalene			Naphthalene (and Methyl naphthalenes)			Nickel (and compounds)			Phenol			Polycyclic Organic Matter (POM)		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 102 56-98d															
EQT 103 56-98e															
EQT 104 56-98g															
EQT 105 56-98h															
EQT 107 59-00a															
EQT 108 59-00b															
EQT 109 59-00c															
EQT 110 59-00d															
EQT 111 14-93															
EQT 112 15-93															
EQT 113 16-93															
EQT 114 20-01n															
EQT 115 20-01o															
EQT 116 20-01p															
EQT 117 20-93a															
EQT 118 20-93b															
EQT 119 20-93c															
EQT 120 20-93d															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

All phases

Subject item	Polynuclear Aromatic Hydrocarbons			Propionaldehyde			Selenium (and compounds)			Styrene			Sulfuric acid		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 102 56-98d															
EQT 103 56-98e															
EQT 104 56-98g															
EQT 105 56-98h															
EQT 107 59-00a															
EQT 108 59-00b															
EQT 109 59-00c															
EQT 110 59-00d															
EQT 111 14-93															
EQT 112 15-93															
EQT 113 16-93															
EQT 114 20-01n															
EQT 115 20-01o															
EQT 116 20-01p															
EQT 117 20-93a															
EQT 118 20-93b															
EQT 119 20-93c															
EQT 120 20-93d															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AJ ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

All phases

Subject Item	Tetrachloroethylene			Toluene			Total reduced sulfur			Trichloroethylene			Triethyl amine		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 102 56-98d				< 0.001	< 0.001	< 0.01	0.01	0.03	0.06						
EQT 103 56-98e															
EQT 104 56-98g				< 0.001	< 0.001	< 0.01	0.001	0.002	0.01						
EQT 105 56-98h				< 0.001	< 0.001	< 0.01	0.001	0.002	0.01						
EQT 107 59-00a															
EQT 108 59-00b															
EQT 109 59-00c															
EQT 110 59-00d															
EQT 111 14-93										0.1					
EQT 112 15-93										0.02					
EQT 113 16-93										0.02					
EQT 114 20-01n										< 0.001					
EQT 115 20-01o										< 0.001					
EQT 116 20-01p										< 0.001					
EQT 117 20-93a										0.04					
EQT 118 20-93b										0.002					
EQT 119 20-93c										< 0.001					
EQT 120 20-93d										0.001					

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

At ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

All phases

Subject Item	Xylene (mixed isomers)			Zinc (and compounds)			n-Hexane		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 102 56-98d	< 0.001	< 0.001	< 0.01				< 0.001	< 0.001	< 0.01
EQT 103 56-98e									
EQT 104 56-98g	< 0.001	< 0.001	< 0.01				< 0.001	< 0.001	< 0.01
EQT 105 56-98h	< 0.001	< 0.001	< 0.01				< 0.001	< 0.001	< 0.01
EQT 107 59-00a									
EQT 108 59-00b									
EQT 109 59-00c									
EQT 110 59-00d									
EQT 111 14-93									
EQT 112 15-93									
EQT 113 16-93									
EQT 114 20-01n		< 0.001						< 0.001	
EQT 115 20-01o		< 0.001						< 0.001	
EQT 116 20-01p		< 0.001						< 0.001	
EQT 117 20-93a		0.13						0.04	
EQT 118 20-93b		0.01						0.002	
EQT 119 20-93c		< 0.001						< 0.001	
EQT 120 20-93d		0.001						< 0.001	

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

All phases

Subject Item	1,1,1-Trichloroethane			1,1,2-Trichloroethane			1,2,4-Trichlorobenzene			1,2-Dichloropropane			1,3-Butadiene		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 121 20-93g															
EQT 122 20-93k															
EQT 123 20-93l															
EQT 124 20-93m															
EQT 125 21-04k															
EQT 126 21-93a		0.14									0.01				
EQT 127 21-93b		0.01									0.001				
EQT 128 21-93c															
EQT 129 21-93d															
EQT 130 21-93f															
EQT 131 21-93i															
EQT 132 21-93j															
EQT 133 22-01n															
EQT 134 22-01o															
EQT 135 22-93a		0.14											0.01		
EQT 136 22-93c		0.01											0.001		
EQT 137 22-93d															
EQT 138 22-93g															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

All phases

Subject Item	2,2,4-Trimethylpentane			2,3,7,8-Tetrachlorodibenzo-p-Dioxin			Acetaldehyde			Acetophenone			Acrolein		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 121 20-93g															
EQT 122 20-93k															
EQT 123 20-93l															
EQT 124 20-93m															
EQT 125 21-04k															
EQT 126 21-93a									0.01						
EQT 127 21-93b									3.2						
EQT 128 21-93c									0.13						
EQT 129 21-93d									0.003						
EQT 130 21-93f									0.01						
EQT 131 21-93i									0.005						
EQT 132 21-93j									0.01						
EQT 133 22-01n									0.01						
EQT 134 22-01o									0.01						
EQT 135 22-93a									0.01						
EQT 136 22-93c									3.1						
EQT 137 22-93d									0.13						
EQT 138 22-93g									0.004						
									0.001						

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AJJD: 328 - International Paper Co - Mansfield Mill
 Activity Number: PER20050002
 Permit Number: 0760-00006-V7
 Air - Title V Regular Permit Major Mod

All phases

Subject Item	Ammonia			Antimony (and compounds)			Arsenic (and compounds)			Barium (and compounds)			Benzene		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 121 20-93g															
EQT 122 20-93k															
EQT 123 20-93i															
EQT 124 20-93m															
EQT 125 21-04k															
EQT 126 21-93a														0.03	
EQT 127 21-93b														0.001	
EQT 128 21-93c														< 0.001	
EQT 129 21-93d														< 0.001	
EQT 130 21-93f														< 0.001	
EQT 131 21-93i														< 0.001	
EQT 132 21-93j														< 0.001	
EQT 133 22-01n														< 0.001	
EQT 134 22-01o														< 0.001	
EQT 135 22-93a														0.03	
EQT 136 22-93c														0.001	
EQT 137 22-93d														< 0.001	
EQT 138 22-93g														< 0.001	

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
 Activity Number: PER20050002
 Permit Number: 0760-00006-V7
 Air - Title V Regular Permit Major Mod

All phases

Subject Item	Beryllium (Table 51.1)			Biphenyl			Cadmium (and compounds)			Carbon disulfide			Chlorinated Dibenzo-P-Dioxins		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 121 20-93g															
EQT 122 20-93k															
EQT 123 20-93l															
EQT 124 20-93m															
EQT 125 21-04k															
EQT 126 21-93a															
EQT 127 21-93b															
EQT 128 21-93c															
EQT 129 21-93d															
EQT 130 21-93f															
EQT 131 21-93i															
EQT 132 21-93j															
EQT 133 22-01n															
EQT 134 22-01o															
EQT 135 22-93a															
EQT 136 22-93c															
EQT 137 22-93d															
EQT 138 22-93g															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

All phases

Subject Item	Chlorinated dibenzofurans			Chlorine			Chlorobenzene			Chloroform			Chromium VI (and compounds)		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 121 20-93g															
EQT 122 20-93k															
EQT 123 20-93l															
EQT 124 20-93m															
EQT 125 21-04k															
EQT 126 21-93a															
EQT 127 21-93b															
EQT 128 21-93c										<	0.001				
EQT 129 21-93d															
EQT 130 21-93f															
EQT 131 21-93i															
EQT 132 21-93j															
EQT 133 22-01n															
EQT 134 22-01o															
EQT 135 22-93a															
EQT 136 22-93c															
EQT 137 22-93d															
EQT 138 22-93g															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

All phases

Subject Item	Cobalt compounds			Copper (and compounds)			Cresol			Cumene			Dichloromethane		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 121															
20-93g															
EQT 122															
20-93k															
EQT 123															
20-93i															
EQT 124															
20-93m															
EQT 125															
21-04k															
EQT 126															
21-93a															
EQT 127															
21-93b															
EQT 128															
21-93c															
EQT 129															
21-93d															
EQT 130															
21-93f															
EQT 131															
21-93i															
EQT 132															
21-93j															
EQT 133															
22-01n															
EQT 134															
22-01o															
EQT 135															
22-93a															
EQT 136															
22-93c															
EQT 137															
22-93d															
EQT 138															
22-93g															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

All phases

Subject Item	Ethyl benzene			Ethylene oxide			Formaldehyde			Glycol ethers (Table 51.1)			Hydrochloric acid		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 121 20-93g															
EQT 122 20-93k							< 0.001								
EQT 123 20-93l							< 0.001								
EQT 124 20-93m							< 0.001								
EQT 125 21-04k							< 0.001								
EQT 126 21-93a							1.7					0.19			
EQT 127 21-93b							0.07					0.01			
EQT 128 21-93c															
EQT 129 21-93d															
EQT 130 21-93f															
EQT 131 21-93j							< 0.001								
EQT 132 21-99j							< 0.001								
EQT 133 22-01n							< 0.001								
EQT 134 22-01o							< 0.001								
EQT 135 22-93f							1.7					0.19			
EQT 136 22-93c							0.07					0.01			
EQT 137 22-93d															
EQT 138 22-93g															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

All phases

Subject Item	Hydrofluoric acid			Hydrogen sulfide			Hydroquinone			Lead compounds			Manganese (and compounds)		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 121 20-93g															
EQT 122 20-93k				0.01											
EQT 123 20-93l				0.01											
EQT 124 20-93m				0.01											
EQT 125 21-04k				0.01											
EQT 126 21-93a															
EQT 127 21-93b															
EQT 128 21-93c															
EQT 129 21-93d															
EQT 130 21-93f															
EQT 131 21-93i				0.01											
EQT 132 21-93j				0.01											
EQT 133 22-01n				0.01											
EQT 134 22-01o				0.01											
EQT 135 22-93a															
EQT 136 22-93c															
EQT 137 22-93d															
EQT 138 22-93g															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

All phases

Subject Item	Mercury (and compounds)			Methanol			Methyl chloride			Methyl ethyl ketone			Methyl isobutyl ketone		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 121 20-93g						0.44									0.001
EQT 122 20-93k						0.24									0.001
EQT 123 20-93l						0.24									0.001
EQT 124 20-93m						0.24									0.001
EQT 125 21-04k						0.24									0.001
EQT 126 21-93a						154					0.72				0.05
EQT 127 21-93b						6.4					0.03				0.002
EQT 128 21-93c						0.18					0.004				< 0.001
EQT 129 21-93d						0.41					0.01				0.001
EQT 130 21-93f						0.3					0.01				< 0.001
EQT 131 21-93i						0.24					0.01				0.001
EQT 132 21-93j						0.24					0.01				0.001
EQT 133 22-01n						0.24					0.01				0.001
EQT 134 22-01o						0.24					0.01				0.001
EQT 135 22-93a						148.7					0.69				0.05
EQT 136 22-93c						6.2					0.03				0.002
EQT 137 22-93d						0.28					0.01				< 0.001
EQT 138 22-93g						0.05					0.001				< 0.001

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AJ ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

All phases

Subject Item	Naphthalene			Naphthalene (and Methyl naphthalenes)			Nickel (and compounds)			Phenol			Polycyclic Organic Matter (POM)		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 121 20-93g															
EQT 122 20-93k															
EQT 123 20-93l															
EQT 124 20-93m															
EQT 125 21-04k															
EQT 126 21-93a															
EQT 127 21-93b															
EQT 128 21-93c															
EQT 129 21-93d															
EQT 130 21-93f															
EQT 131 21-93i															
EQT 132 21-93j															
EQT 133 22-01n															
EQT 134 22-01o															
EQT 135 22-93a															
EQT 136 22-93c															
EQT 137 22-93d															
EQT 138 22-93g															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

All phases

Subject Item	Polynuclear Aromatic Hydrocarbons			Propionaldehyde			Selenium (and compounds)			Styrene			Sulfuric acid		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 121 20-93g															
EQT 122 20-93k															
EQT 123 20-93l															
EQT 124 20-93m															
EQT 125 21-04k															
EQT 126 21-93a											0.15				
EQT 127 21-93b											0.01				
EQT 128 21-93c											< 0.001				
EQT 129 21-93d											0.001				
EQT 130 21-93f											0.001				
EQT 131 21-93i											0.001				
EQT 132 21-93j											0.001				
EQT 133 22-01n											0.001				
EQT 134 22-01o											0.001				
EQT 135 22-93a											0.14				
EQT 136 22-93c											0.01				
EQT 137 22-93d											0.002				
EQT 138 22-93g											< 0.001				

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

All phases

Subject Item	Tetrachloroethylene			Toluene			Total reduced sulfur			Trichloroethylene			Triethyl amine		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 121 20-93g					0.001				0.08						
EQT 122 20-93k					< 0.001				0.13						
EQT 123 20-93l					< 0.001				0.13						
EQT 124 20-93m					< 0.001				0.13						
EQT 125 21-04k					< 0.001				0.13						
EQT 126 21-93a					0.03				3.5	132				< 0.001	
EQT 127 21-93b					0.001				0.15	0.6				< 0.001	
EQT 128 21-93c					< 0.001				0.03						
EQT 129 21-93d					< 0.001				0.08						
EQT 130 21-93r					< 0.001				0.06						
EQT 131 21-93i					< 0.001				0.13						
EQT 132 21-93j					< 0.001				0.13						
EQT 133 22-01n					< 0.001				0.13						
EQT 134 22-01o					< 0.001				0.13						
EQT 135 22-93a					0.03				3.4	14.8				< 0.001	
EQT 136 22-93c					0.001				0.14	0.6				< 0.001	
EQT 137 22-93d					0.001				0.05						
EQT 138 22-93g					< 0.001				0.01						

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

All phases

Subject Item	Xylene (mixed isomers)			Zinc (and compounds)			n-Hexane		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 121 20-93g		0.001						< 0.001	
EQT 122 20-93k		< 0.001						< 0.001	
EQT 123 20-93l		< 0.001						< 0.001	
EQT 124 20-93m		< 0.001						< 0.001	
EQT 125 21-04k		< 0.001						< 0.001	
EQT 126 21-93a		0.1						0.03	
EQT 127 21-93b		0.004						0.001	
EQT 128 21-93c		< 0.001						< 0.001	
EQT 129 21-93d		0.001						< 0.001	
EQT 130 21-93f		< 0.001						< 0.001	
EQT 131 21-93i		< 0.001						< 0.001	
EQT 132 21-93j		< 0.001						< 0.001	
EQT 133 22-01n		< 0.001						< 0.001	
EQT 134 22-01o		< 0.001						< 0.001	
EQT 135 22-93a		0.09						0.03	
EQT 136 22-93c		0.004						0.001	
EQT 137 22-93d		0.001						< 0.001	
EQT 138 22-93g		< 0.001						< 0.001	

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

All phases

Subject Item	1,1,1-Trichloroethane			1,1,2-Trichloroethane			1,2,4-Trichlorobenzene			1,2-Dichloropropane			1,3-Butadiene		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 139 22-93k															
EQT 140 22-93m															
EQT 142 29-93a															
EQT 143 29-93f															
EQT 144 29-93g															
EQT 145 29-93h															
EQT 146 29-93i															
EQT 147 29-93r															
EQT 148 29-93s															
EQT 149 29-93u															
EQT 150 30-93a															
EQT 151 30-93b															
EQT 152 60-00															
EQT 153 63-04															
EQT 154 64-04															
EQT 183 22-93a															
EQT 186 65-05													< 0.001	< 0.01	< 0.001
EQT 187 66-05													< 0.001	< 0.001	< 0.01

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

All phases

Subject Item	2,2,4-Trimethylpentane			2,3,7,8-Tetrachlorodibenzo-p-Dioxin			Acetaldehyde			Acetophenone			Acrolein		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 139 22-93k								0.01							
EQT 140 22-93m								0.01						< 0.001	
EQT 142 29-93a							0.002	0.003	0.01				< 0.001	< 0.001	< 0.01
EQT 143 29-93f							0.02	0.03	0.09				< 0.001	0.001	< 0.01
EQT 144 29-93g							0.02	0.03	0.09				< 0.001	0.001	< 0.01
EQT 145 29-93h							0.02	0.03	0.09				< 0.001	0.001	< 0.01
EQT 146 29-93i							0.02	0.03	0.09				< 0.001	0.001	< 0.01
EQT 147 29-93r							0.002	0.003	0.01				< 0.001	< 0.001	< 0.01
EQT 148 29-93s							0.002	0.003	0.01				< 0.001	< 0.001	< 0.01
EQT 149 29-93u							0.03	0.05	0.13				0.002	0.003	0.01
EQT 150 30-93a							0.01	0.01	0.04				0.001	0.001	< 0.01
EQT 151 30-93b							0.01	0.01	0.04				< 0.001	< 0.001	< 0.01
EQT 152 60-00							0.001	0.01	0.01				< 0.001	< 0.001	< 0.01
EQT 153 63-04								0.05							
EQT 154 64-04								0.05							
EQT 183 22-93e								0.01							
EQT 186 65-05							0.001	0.001	< 0.01				< 0.001	< 0.001	< 0.01
EQT 187 66-05							0.001	0.001	< 0.01				< 0.001	< 0.001	< 0.01

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

All phases

Subject Item	Ammonia			Antimony (and compounds)			Arsenic (and compounds)			Barium (and compounds)			Benzene		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 139															
22-93k															
EQT 140															
22-93m															
EQT 142															
29-93a															
EQT 143	3.2	4.8	14.0												
29-93f															
EQT 144	3.2	4.8	14.0												
29-93g															
EQT 145	3.2	4.8	14.0												
29-93h															
EQT 146	3.2	4.8	14.0												
29-93i															
EQT 147															
29-93r															
EQT 148															
29-93s															
EQT 149															
29-93u															
EQT 150															
30-93a															
EQT 151															
30-93b															
EQT 152															
60-00															
EQT 153															
63-04															
EQT 154															
64-04															
EQT 183															
22-93e															
EQT 186															
65-05															
EQT 187															
66-05															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

All phases

Subject Item	Beryllium (Table 51.1)			Biphenyl			Cadmium (and compounds)			Carbon disulfide			Chlorinated Dibenzo-P-Dioxins		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 139															
22-93k															
EQT 140															
22-93m															
EQT 142															
29-93e															
EQT 143															
29-93f															
EQT 144															
29-93g															
EQT 145															
29-93h															
EQT 146															
29-93i															
EQT 147															
29-93r															
EQT 148															
29-93s															
EQT 149															
29-93u															
EQT 150															
30-93a															
EQT 151															
30-93b															
EQT 152															
60-00															
EQT 153															
63-04															
EQT 154															
64-04															
EQT 183															
22-93e															
EQT 186															
65-05															
EQT 187															
66-05															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

All phases

Subject Item	Chlorinated dibenzofurans			Chlorine			Chlorobenzene			Chloroform			Chromium VI (and compounds)		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 139 22-93k															
EQT 140 22-93m															
EQT 142 29-93e															
EQT 143 29-93f															
EQT 144 29-93g															
EQT 145 29-93h															
EQT 146 29-93i															
EQT 147 29-93r															
EQT 148 29-93s															
EQT 149 29-93u															
EQT 150 30-93a															
EQT 151 30-93b															
EQT 152 60-00															
EQT 153 63-04															
EQT 154 64-04															
EQT 183 22-93e															
EQT 186 65-05															
EQT 187 66-05															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

All phases

Subject Item	Cobalt compounds			Copper (and compounds)			Cresol			Cumene			Dichloromethane		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 139 22-93k															
EQT 140 22-93m															
EQT 142 29-93a															
EQT 143 29-93r															
EQT 144 29-93g															
EQT 145 29-93h															
EQT 146 29-93i															
EQT 147 29-93r															
EQT 148 29-93s															
EQT 149 29-93u															
EQT 150 30-93a															
EQT 151 30-93b															
EQT 152 60-00															
EQT 153 63-04															
EQT 154 64-04															
EQT 183 22-93a															
EQT 186 65-05															
EQT 187 66-05															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

All phases

Subject item	Ethyl benzene			Ethylene oxide			Formaldehyde			Glycol ethers (Table 51.1)			Hydrochloric acid		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 139 22-93k															
EQT 140 22-93m								< 0.001							
EQT 142 29-93e															
EQT 143 29-93f							< 0.001	< 0.001	< 0.01						
EQT 144 29-93g							< 0.001	< 0.001	< 0.01						
EQT 145 29-93h							< 0.001	< 0.001	< 0.01						
EQT 146 29-93i							< 0.001	< 0.001	< 0.01						
EQT 147 29-93r							0.001	0.002	< 0.01						
EQT 148 29-93s							0.001	0.002	< 0.01						
EQT 149 29-93u							0.01	0.01	0.04						
EQT 150 30-93a							0.04	0.04	0.18						
EQT 151 30-93b							0.04	0.04	0.18						
EQT 152 60-00							< 0.001	< 0.001	< 0.01						
EQT 153 63-04							< 0.001	0.01							
EQT 154 64-04							< 0.001	0.01							
EQT 183 22-93e															
EQT 186 65-05							0.002	0.002	< 0.01						
EQT 187 66-05							0.001	0.001	< 0.01						

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

All phases

Subject Item	Hydrofluoric acid			Hydrogen sulfide			Hydroquinone			Lead compounds			Manganese (and compounds)		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 139 22-93k															
EQT 140 22-93m					0.01										
EQT 142 29-93e				0.01	0.01	0.04									
EQT 143 29-93f				< 0.001	< 0.001	< 0.01									
EQT 144 29-93g				< 0.001	< 0.001	< 0.01									
EQT 145 29-93h				< 0.001	< 0.001	< 0.01									
EQT 146 29-93i				< 0.001	< 0.001	< 0.01									
EQT 147 29-93r				0.01	0.02	0.06									
EQT 148 29-93s				0.01	0.02	0.06									
EQT 149 29-93u				0.06	0.08	0.24									
EQT 150 30-93a				0.72	0.72	3.2									
EQT 151 30-93b				2.0	2.0	8.7									
EQT 152 60-00				0.001	0.001	< 0.01									
EQT 153 63-04															
EQT 154 64-04															
EQT 183 22-93e															
EQT 186 65-05															
EQT 187 66-05															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

All phases

Subject Item	Mercury (and compounds)			Methanol			Methyl chloride			Methyl ethyl ketone			Methyl isobutyl ketone		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 139 22-93k						0.87									0.001
EQT 140 22-93m						0.24					0.01				0.001
EQT 142 29-93e		2.6			3.9	11.4				0.004	0.01	0.02	< 0.001	< 0.001	< 0.001
EQT 143 29-93f		0.01			0.02	0.05				< 0.001	< 0.001	< 0.01	< 0.001	< 0.001	< 0.01
EQT 144 29-93g		0.01			0.02	0.05				< 0.001	< 0.001	< 0.01	< 0.001	< 0.001	< 0.01
EQT 145 29-93h		0.01			0.02	0.05				< 0.001	< 0.001	< 0.01	< 0.001	< 0.001	< 0.01
EQT 146 29-93i		0.01			0.02	0.05				< 0.001	< 0.001	< 0.01	< 0.001	< 0.001	< 0.01
EQT 147 29-93r		0.93			1.4	4.1				0.003	0.004	0.01	< 0.001	< 0.001	< 0.01
EQT 148 29-93s		0.93			1.4	4.1				0.003	0.004	0.01	< 0.001	< 0.001	< 0.01
EQT 149 29-93u		1.1			1.7	5.0				0.02	0.03	0.10	0.005	0.01	0.02
EQT 150 30-93a		2.0			2.0	9.0				0.03	0.03	0.15	0.001	0.001	0.01
EQT 151 30-93b		2.0			2.0	8.9				0.01	0.01	0.06	0.001	0.001	< 0.01
EQT 152 60-00		0.08			0.24	0.37				0.02	0.01	0.01	< 0.001	0.001	< 0.01
EQT 153 63-04					0.10										
EQT 154 64-04					0.10										
EQT 183 22-93e					0.64						0.01			0.001	
EQT 186 65-05															
EQT 187 66-05															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

All phases

Subject Item	Naphthalene			Naphthalene (and Methyl naphthalenes)			Nickel (and compounds)			Phenol			Polycyclic Organic Matter (POM)		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 139 22-93k															
EQT 140 22-93m															
EQT 142 29-93e															
EQT 143 29-93f															
EQT 144 29-93g															
EQT 145 29-93h															
EQT 146 29-93i															
EQT 147 29-93r															
EQT 148 29-93s															
EQT 149 29-93u															
EQT 150 30-93a															
EQT 151 30-93b															
EQT 152 60-00															
EQT 153 63-04															
EQT 154 64-04															
EQT 183															
EQT 186 65-05	< 0.001	< 0.001	< 0.01										< 0.001	< 0.001	< 0.01
EQT 187 66-05	< 0.001	< 0.001	< 0.01										< 0.001	< 0.001	< 0.01

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

All phases

Subject Item	Polynuclear Aromatic Hydrocarbons			Propionaldehyde			Selenium (and compounds)			Styrene			Sulfuric acid		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 139 22-93k															
EQT 140 22-93m															
EQT 142 29-93e							0.002	0.003	0.01						
EQT 143 29-93f							< 0.001	0.001	< 0.01						
EQT 144 29-93g							< 0.001	0.001	< 0.01						
EQT 145 29-93h							< 0.001	0.001	< 0.01						
EQT 146 29-93i							< 0.001	0.001	< 0.01						
EQT 147 29-93r										0.001	0.001	< 0.01			
EQT 148 29-93s										0.001	0.001	< 0.01			
EQT 149 29-93u										0.002	0.002	0.01			
EQT 150 30-93a				0.003	0.003	0.01				< 0.001	< 0.001	< 0.01			
EQT 151 30-93b				0.01	0.01	0.04				0.001	0.001	< 0.01			
EQT 152 60-00										< 0.001	0.001	< 0.01			
EQT 153 63-04															
EQT 154 64-04															
EQT 183 22-93e											0.002				
EQT 186 65-05	< 0.001	< 0.001	< 0.01												
EQT 187 66-05	< 0.001	< 0.001	< 0.01												

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

All phases

Subject Item	Tetrachloroethylene			Toluene			Total reduced sulfur			Trichloroethylene			Triethyl amine		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 139 22-93k					0.001				0.17						
EQT 140 22-93m					< 0.001				0.13						
EQT 142 29-93e				< 0.001	< 0.001	< 0.01	0.02	0.03	0.09						
EQT 143 29-93f							0.001	0.001	< 0.01						
EQT 144 29-93g							0.001	0.001	< 0.01						
EQT 145 29-93h							0.001	0.001	< 0.01						
EQT 146 29-93i							0.001	0.001	< 0.01						
EQT 147 29-93j				< 0.001	< 0.001	< 0.01	0.03	0.04	0.1						
EQT 148 29-93s				< 0.001	< 0.001	< 0.01	0.03	0.04	0.1						
EQT 149 29-93u				0.004	0.01	0.02	0.11	0.16	0.48						
EQT 150 30-93a				0.003	0.003	0.01	0.75	0.75	3.3						
EQT 151 30-93b				0.001	< 0.001	< 0.01	2.1	2.1	9.1						
EQT 152 60-00				< 0.001	< 0.001	< 0.01	0.02	0.13	0.10						
EQT 153 63-04					0.02										
EQT 154 64-04					0.02										
EQT 183 22-93e					0.001			0.12							
EQT 186 65-05				0.001	0.001	< 0.01									
EQT 187 66-05				< 0.001	< 0.001	< 0.01									

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

All phases

Subject Item	Xylene (mixed isomers)			Zinc (and compounds)			n-Hexane		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 139 22-93k		0.001						0.001	
EQT 140 22-93m		< 0.001						< 0.001	
EQT 142 29-93a	0.004	0.01	0.02				< 0.001	< 0.001	< 0.01
EQT 143 29-93f	< 0.001	< 0.001	< 0.01						
EQT 144 29-93g	< 0.001	< 0.001	< 0.01						
EQT 145 29-93h	< 0.001	< 0.001	< 0.01						
EQT 146 29-93i	< 0.001	< 0.001	< 0.01						
EQT 147 29-93f	< 0.001	< 0.001	< 0.01						
EQT 148 29-93s	< 0.001	< 0.001	< 0.01						
EQT 149 29-93u	0.004	0.01	0.02						
EQT 150 30-93a	0.002	0.002	0.01				0.002	0.002	0.01
EQT 151 30-93b	0.002	0.002	0.01				< 0.001	< 0.001	< 0.01
EQT 152 60-00	< 0.001	< 0.001	< 0.01				< 0.001	< 0.001	< 0.01
EQT 153 63-04									
EQT 154 64-04									
EQT 183 22-93e		0.001						< 0.001	
EQT 186 65-05	0.001	0.001	< 0.01						
EQT 187 66-05	< 0.001	< 0.001	< 0.01						

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

All phases

Subject Item	1,1,1-Trichloroethane			1,1,2-Trichloroethane			1,2,4-Trichlorobenzene			1,2-Dichloropropane			1,3-Butadiene		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
FUG 006 54-96															
GRP 002	0.30		1.3						0.01			0.06			
GRP 010															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

All phases

Subject Item	2,2,4-Trimethylpentane			2,3,7,8-Tetrachlorodibenzo-p-Dioxin			Acetaldehyde			Acetophenone			Acrolein		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
FUG 006 54-96															
GRP 002					8.2				36.1					0.90	3.9
GRP 010															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

All phases

Subject Item	Ammonia			Antimony (and compounds)			Arsenic (and compounds)			Barium (and compounds)			Benzene		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
FUG 006 54-96															
GRP 002													0.07		0.30
GRP 010															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

All phases

Subject Item	Beryllium (Table 51.1)			Biphenyl			Cadmium (and compounds)			Carbon disulfide			Chlorinated Dibenzo-P-Dioxins		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
FUG 006 54-98															
GRP 002															
GRP 010															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

All phases

Subject Item	Chlorinated dibenzofurans			Chlorine			Chlorobenzene			Chloroform			Chromium VI (and compounds)		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
FUG 006 54-96															
GRP 002							0.01					0.03			
GRP 010															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

All phases

Subject Item	Cobalt compounds			Copper (and compounds)			Cresol			Cumene			Dichloromethane		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
FUG 006 54-96															
GRP 002															
GRP 010															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

All phases

Subject Item	Ethyl benzene			Ethylene oxide			Formaldehyde			Glycol ethers (Table 51.1)			Hydrochloric acid		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
FUG 006 54-96	0.07	0.07	0.33												
GRP 002				< 0.001		< 0.01	4.4		19.4	0.41		1.8			
GRP 010															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

All phases

Subject Item	Hydrofluoric acid			Hydrogen sulfide			Hydroquinone			Lead compounds			Manganese (and compounds)		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
FUG 006 54-86															
GRP 002				0.11		0.47									
GRP 010															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

All phases

Subject Item	Mercury (and compounds)			Methanol			Methyl chloride			Methyl ethyl ketone			Methyl isobutyl ketone		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
FUG 006 54.96										0.01	0.01	0.03	0.01	0.01	0.03
GRP 002				335.0		1467.4				1.7		7.3	0.14		0.59
GRP 010															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

All phases

Subject Item	Naphthalene			Naphthalene (and Methyl naphthalenes)			Nickel (and compounds)			Phenol			Polycyclic Organic Matter (POM)		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
FUG 006 54-96															
GRP 002															
GRP 010															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

All phases

Subject Item	Polynuclear Aromatic Hydrocarbons			Propionaldehyde			Selenium (and compounds)			Styrene			Sulfuric acid		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
FUG 006 54-96															
GRP 002							0.33					1.5			
GRP 010															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

All phases

Subject Item	Tetrachloroethylene			Toluene			Total reduced sulfur			Trichloroethylene			Triethyl amine		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
FUG 006 54-96				0.07	0.07	0.31									
GRP 002				0.26		1.1	9.4		41.3				< 0.001		< 0.01
GRP 010								0.22							

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

All phases

Subject Item	Xylene (mixed isomers)			Zinc (and compounds)			n-Hexane		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
FUG 006 54-96	0.30	0.30	1.3						
GRP 002	0.22		0.95				0.07		0.31
GRP 010									

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals

Permit Parameter Totals:

- 1,1,1-Trichloroethane: 1.88 tons/yr
- 1,1,2-Trichloroethane: 0.03 tons/yr
- 1,2,4-Trichlorobenzene: 6.2 tons/yr
- 1,2-Dichloropropane: 0.06 tons/yr
- 1,3-Butadiene: <0.01 tons/yr
- 2,2,4-Trimethylpentane: <0.01 tons/yr
- 2,3,7,8-Tetrachlorodibenzo-p-Dioxin: <0.0001 tons/yr
- Acetaldehyde: 58.69 tons/yr
- Acetophenone: 0.10 tons/yr
- Acrolein: 4.69 tons/yr
- Ammonia: 178.27 tons/yr
- Antimony (and compounds): 0.22 tons/yr
- Arsenic (and compounds): 0.10 tons/yr
- Barium (and compounds): 45.27 tons/yr
- Benzene: 4.37 tons/yr
- Beryllium (Table 51.1): 0.62 tons/yr
- Biphenyl: <0.01 tons/yr
- Cadmium (and compounds): 0.04 tons/yr
- Carbon disulfide: 1.03 tons/yr
- Chlorinated Dibenzo-P-Dioxins: <0.0001 tons/yr
- Chlorinated dibenzofurans: <0.0001 tons/yr
- Chlorine: 0.38 tons/yr

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

All phases

Chlorobenzene: <0.01 tons/yr
Chloroform: 0.38 tons/yr
Chromium VI (and compounds): 0.05 tons/yr
Cobalt compounds: 1.28 tons/yr
Copper (and compounds): 2.63 tons/yr
Cresol: <0.01 tons/yr
Cumene: 4.16 tons/yr
Dichloromethane: 180.14 tons/yr
Ethyl benzene: 0.39 tons/yr
Ethylene oxide: <0.001 tons/yr
Formaldehyde: 33.37 tons/yr
Glycol ethers (Table 51.1): 1.80 tons/yr
Hydrochloric acid: 318.40 tons/yr
Hydrofluoric acid: 34.06 tons/yr
Hydrogen sulfide: 124.84 tons/yr
Hydroquinone: 0.05 tons/yr
Lead compounds: 0.42 tons/yr
Manganese (and compounds): 36.87 tons/yr
Mercury (and compounds): 0.16 tons/yr
Methanol: 2976.69 tons/yr
Methyl chloride: 0.24 tons/yr
Methyl ethyl ketone: 18.80 tons/yr
Methyl isobutyl ketone: 1.35 tons/yr
n-Hexane: 6.01 tons/yr
Naphthalene (and Methyl naphthalenes): 55.14 tons/yr
Nickel (and compounds): 3.49 tons/yr
Phenol: 0.98 tons/yr
Polycyclic Organic Matter (POM): 55.65 tons/yr
Polynuclear Aromatic Hydrocarbons: 0.79 tons/yr
Propionaldehyde: 0.22 tons/yr
Selenium (and compounds): 0.31 tons/yr
Styrene: 3.64 tons/yr

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20050002
Permit Number: 0760-00006-V7
Air - Title V Regular Permit Major Mod

All phases

Sulfuric acid: 134.21 tons/yr
Tetrachloroethylene: 0.36 tons/yr
Toluene: 6.26 tons/yr
Total reduced sulfur: 225.66 tons/yr
Trichloroethylene: 0.14 tons/yr
Triethyl amine: <0.01 tons/yr
Xylene (mixed isomers): 4.82 tons/yr
Zinc (and compounds): 30.21 tons/yr

Emission Rates Notes:

	Tons/Year	Which Months: All Year
EQT 117 Total reduced sulfur	: This is a BACT requirement.	Which Months: All Year
EQT 118 Total reduced sulfur	: This is a BACT requirement.	Which Months: All Year
EQT 126 Total reduced sulfur	: This is a BACT requirement.	Which Months: All Year
EQT 127 Total reduced sulfur	: This is a BACT requirement.	Which Months: All Year
EQT 135 Total reduced sulfur	: This is a BACT requirement.	Which Months: All Year
EQT 136 Total reduced sulfur	: This is a BACT requirement.	Which Months: All Year

SPECIFIC REQUIREMENTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20050002
Permit Number: 0760-00006-V7
Air - Title V Regular Permit Major Mod

ARE005 25-93 - Landfill

- 1 No additional control is determined to be BACT. [LAC 33:III.509]

EQT005 1-78 - No. 1 Power Boiler

- 2 Opacity \leq 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified
- 3 Total suspended particulate \leq 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]
Which Months: All Year Statistical Basis: None specified
- 4 Sulfur dioxide \leq 2000 ppmv at standard conditions. [LAC 33:III.1503.C]
Which Months: All Year Statistical Basis: Three-hour average
- 5 Determine sulfur dioxide and sulfuric acid mist concentrations in stack gases using the methods in LAC 33:III.1503.D Table 4. Use these methods for initial compliance determinations and for additional compliance determinations for those facilities not subject to continuous emission monitoring. [LAC 33:III.1503.D.1]
- 6 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]
- 7 Submit report: Due annually, by the 31st of March, in accordance with LAC 33:III.918. Report data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 15. [LAC 33:III.1513]
- 8 Submit quarterly reports of three-hour excess emissions and prompt reports of emergency occurrences, in accordance with LAC 33:III.927. [LAC 33:III.1513]
- 9 This boiler shall fire only the following fuels in any combination: bark/wood debris, paper, solid wood residuals, creosote-treated railroad cross-ties, recycle plant sludge, unrecyclable old corrugated container material, bagasse, coal, no. 2 fuel oil, no. 4 fuel oil, no. 6 fuel oil, distillate grades of fuel oil, used on-specification oil, used petroleum mineral spirits, onsite fuel oil solids, natural gas, tire-derived fuel, solid paraffin, high caustic, pine tar fuels, conforming waste material, polyethylene wax, and woodwaste materials containing phenol-formaldehyde resin which is otherwise known as PlyTrim. Conforming waste material shall mean materials such as cellulose, woven and non-woven fabrics, plastics, elastomers, and adhesives that result from the manufacture of personal care products. [LAC 33:III.501.C.6]
- 10 Opacity \leq 20 percent. Having installed opacity monitors pursuant to the requirements of permit no. PSD-LA-93, permittee shall diligently maintain and operate opacity monitors. Opacity as measured by these monitors shall not exceed 20 percent except for one six-minute period per hour when 27 percent opacity will be allowed. The opacity exceedances shall be recorded each month, as well as the opacity exceedances for the last twelve months. These records shall be kept on site and made available for inspection by DEQ personnel. A report showing the opacity exceedances shall comply with the reporting requirements of 40 CFR 70.6(a)(3)(iii)(A) and (B) and shall be submitted to the Office of Environmental Services, Surveillance Division semiannually on March 31 and September 30 for the preceding six month period. [LAC 33:III.509]
Which Months: All Year Statistical Basis: Constant
- 11 Permittee shall use a single stage dust collector/electrostatic precipitator with a particulate matter removal efficiency of no less than 99.5% and a lead removal efficiency of no less than 80% in order to control emissions of particulate matter and lead. [LAC 33:III.509]
- 12 Total suspended particulate \leq 0.10 lb/MMBTU (43 nanograms per joule) heat input derived from fossil fuel or fossil fuel and wood residue. Subpart D. [40 CFR 60.42(a)(1)]
Which Months: All Year Statistical Basis: None specified
- 13 Opacity \leq 20 percent except for one six-minute period per hour of not more than 27 percent opacity. Subpart D. [40 CFR 60.42(a)(2)]
Which Months: All Year Statistical Basis: Six-minute average
- 14 Sulfur dioxide \leq 0.80 lb/MMBTU for liquid fossil fuels with/without wood residue; SO₂ \leq 1.2 lb/MM Btu for solid fossil fuels with/without wood residue. Subpart D. [40 CFR 60.43]
Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

EQT005 1-78 - No. 1 Power Boiler

- 15 Nitrogen oxides \leq 0.20 lb/MMBTU for natural gas; NOx \leq 0.30 lb/MM Btu for natural gas and wood residue; NOx \leq 0.30 lb/MM Btu for liquid fossil fuels with/without wood residue; NOx \leq 0.70 lb/MM Btu for solid fossil fuels with/without wood residue. Subpart D. [40 CFR 60.44]
Which Months: All Year Statistical Basis: None specified
- 16 Use the procedures in 40 CFR 60.45(c)(1) through (c)(5) for performance evaluations under 40 CFR 60.13(c) and calibration checks under 40 CFR 60.13(d). Subpart D. [40 CFR 60.45(c)]
- 17 Submit excess emission and monitoring system performance reports: Due semiannually for each six-month period in the calendar year. Postmark all semiannual reports by the 30th day following the end of each six-month period. Include the information required in 40 CFR 60.7(c). Subpart D. [40 CFR 60.45(g)]
- 18 Opacity monitored by continuous emission monitor (CEM) continuously, except as provided in 40 CFR 60.45(b). Convert the data to the units of the applicable standard as specified in 40 CFR 60.45(e) and (f). Subpart D. [40 CFR 60.45]
Which Months: All Year Statistical Basis: None specified
- 19 Sulfur dioxide monitored by continuous emission monitor (CEM) continuously, except as provided in 40 CFR 60.45(b). Convert the data to the units of the applicable standard as specified in 40 CFR 60.45(e) and (f). Subpart D. [40 CFR 60.45]
Which Months: All Year Statistical Basis: None specified
- 20 Nitrogen oxides monitored by continuous emission monitor (CEM) continuously, except as provided in 40 CFR 60.45(b). Convert the data to the units of the applicable standard as specified in 40 CFR 60.45(e) and (f). Subpart D. [40 CFR 60.45]
Which Months: All Year Statistical Basis: None specified
- 21 Oxygen or Carbon dioxide monitored by continuous emission monitor (CEM) continuously, except as provided in 40 CFR 60.45(b). Convert the data to the units of the applicable standard as specified in 40 CFR 60.45(e) and (f). Subpart D. [40 CFR 60.45]
Which Months: All Year Statistical Basis: None specified
- 22 Conduct the performance tests required in 40 CFR 60.8 using as reference methods and procedures the test methods in 40 CFR 60 Appendix A or other methods and procedures as specified in 40 CFR 60.46, except as provided in 40 CFR 60.8(b). Subpart D. [40 CFR 60.46(a)]

EQT006 3-78 - Lime Kiln

- 23 Opacity \leq 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified
- 24 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]
- 25 Total suspended particulate \leq 1.0 lb/ton (equivalent pulp ton). [LAC 33:III.2301.D.1.c]
Which Months: All Year Phases: Statistical Basis:
- 26 Total reduced sulfur \leq 20 ppmv corrected to 10% oxygen. [LAC 33:III.2301.D.3.d]
Which Months: All Year Phases: Statistical Basis:
- 27 Opacity \leq 20 percent. Compliance with this specific condition shall be determined by the procedures set forth in 40 CFR 60, Appendix A, Method 9, Visual Determination of the Opacity of Emissions from Stationary Sources. In addition, the permittee shall install opacity monitors on this source. [LAC 33:III.509]
Which Months: All Year Statistical Basis: Constant
- 28 Total reduced sulfur \leq 6.5 ppm. [LAC 33:III.509]
Which Months: All Year Statistical Basis: Hourly maximum
- 29 Combustion temperature of total reduced sulfur (TRS) emissions routed to this source shall be incinerated at 1200 degrees Fahrenheit for at least 0.5 seconds. [LAC 33:III.509]

SPECIFIC REQUIREMENTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

EQT006 3-78 - Lime Kiln

- 30 Pressure drop monitored by technically sound method continuously. The measurement shall be taken in inches of water and shall be no less than 25 inches of water. [LAC 33:III.509]
- Which Months: All Year Statistical Basis: One-hour average
- 31 Permittee shall control particulate matter, sulfur dioxide, volatile organic compounds, total reduced sulfur, and lead emissions using a venturi scrubber. This scrubber shall control particulate matter emissions with an efficiency of no less than 99.8 percent. [LAC 33:III.509]
- 32 In the event the Lime Kiln is temporarily out of service, all potential emissions of total reduced sulfur (TRS) normally incinerated in the Lime Kiln shall be routed to a standby incinerator. The standby incinerator flue gases shall contain less than 5 ppmv-dry of TRS at 10 percent oxygen. [LAC 33:III.509]
- 33 Permittee shall good process controls in order to control emissions of carbon monoxide. [LAC 33:III.509]
- 34 Comply with 40 CFR 63 Subpart S and 40 CFR 63 Subpart MM. Determined as MACT. [LAC 33:III.5109.A]
- 35 Total suspended particulate \leq 0.066 gr/dscf corrected to 10% oxygen when gaseous fossil fuel is burned, and 0.13 gr/dscf corrected to 10% oxygen when liquid fossil fuel is burned. [40 CFR 60.282(a)(3)]
- Which Months: All Year Phases: Statistical Basis:
- 36 Total reduced sulfur \leq 8 ppmdv @ 10% oxygen. [40 CFR 60.283(a)(5), LAC 33:III.509]
- 37 Oxygen monitored by CMS continuously. [40 CFR 60.284(a)(2)]
- Which Months: All Year Statistical Basis: One-hour average
- 38 Total reduced sulfur monitored by continuous emission monitor (CEM) continuously. [40 CFR 60.284(a)(2), LAC 33:III.509]
- Which Months: All Year Statistical Basis: One-hour average
- 39 Scrubbing liquid supply Pressure monitored by pressure instrument continuously. The monitoring device is to be certified by the manufacturer to be accurate within \pm 15 percent of design scrubbing liquid supply pressure. The pressure sensor or tap is to be located close to the scrubber liquid discharge point. Record once per shift. Compliance with 40 CFR 63 Subpart MM satisfies this condition. [40 CFR 60.284(b)(2)]
- Which Months: All Year Statistical Basis: None specified
- 40 Scrubber: Pressure drop monitored by pressure drop instrument continuously. The monitoring device is to be certified by the manufacturer to be accurate to within a gauge pressure of \pm 500 pascals (ca. \pm 2 inches water gage pressure). Record once per shift. Compliance with 40 CFR 63 Subpart MM satisfies this condition. [40 CFR 60.284(b)(2)]
- Which Months: All Year Statistical Basis: None specified
- 41 Calculate and record on a daily basis 12-hour average TRS concentrations for the two consecutive periods of each operating day. Each 12-hour average shall be determined as the arithmetic mean of the appropriate 12 contiguous 1-hour average total reduced sulfur concentrations provided by the continuous monitoring system. [40 CFR 60.284(c)(1)]
- 42 Calculate and record on a daily basis 12-hour average oxygen concentrations for the two consecutive periods of each operating day. These 12-hour averages shall correspond to the 12-hour average TRS concentrations under 60.284(c)(1) and shall be determined as an arithmetic mean of the appropriate 12 contiguous 1-hour average oxygen concentrations provided by the continuous monitoring system. [40 CFR 60.284(c)(2)]
- 43 Correct all 12-hour average TRS concentrations to 10 volume percent oxygen. [40 CFR 60.284(c)(3)]
- 44 The procedures under 60.13 shall be followed for installation, evaluation, and operation of the continuous monitoring systems. All continuous monitoring systems shall be operated in accordance with the applicable procedures under Performance Specifications 1, 3, and 5 of appendix B to part 60. Quarterly accuracy determinations and daily calibration drift tests shall be performed in accordance with Procedure 1 of appendix F to part 60. Procedure 1 of appendix F shall not apply to the TRS CEMS if 60.284(f) is revised or EPA otherwise clarifies in writing that this procedure does not apply to TRS CEMS. [40 CFR 60.284(f)]
- 45 Report semiannually periods of excess emissions as defined in 60.284(d). [40 CFR 60.7(c)]
- 46 Introduce the HAP emission stream with the primary fuel or into the flame zone. [40 CFR 63.443(d)(4)]
- 47 Total suspended particulate \leq 0.064 gr/dscf @ 10% oxygen. [40 CFR 63.862(a)(1)(i)(C)]
- Which Months: All Year Phases: Statistical Basis:

SPECIFIC REQUIREMENTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

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Air - Title V Regular Permit Major Mod

EQT006 3-78 - Lime Kiln

48 Flow monitored by flow rate monitoring device once every 15 minutes. The monitoring device used for continuous measurement of the scrubbing liquid flow rate must be certified by the manufacturer to be accurate within ± 5 percent of the design scrubbing liquid flow rate. [40 CFR 63.864(e)]

Which Months: All Year Statistical Basis: Three-hour average

49 Scrubber: Pressure drop monitored by pressure drop instrument continuously. The monitoring device used for the continuous measurement of the pressure drop of the gas stream across the scrubber must be certified by the manufacturer to be accurate to within a gauge pressure of ± 2 inches of water gauge pressure. [40 CFR 63.864(e)]

Which Months: All Year Statistical Basis: Three-hour average

50 During the initial performance test required in 63.865, the permittee shall establish operating ranges for the monitoring parameters in 63.864(e), as appropriate; or,

Base operating ranges on values recorded during previous performance tests or conduct additional performance tests for the specific purpose of establishing operating ranges, provided that test data used to establish the operating ranges are or have been obtained using the test methods required in Subpart MM. The permittee must certify that all control techniques and processes have not been modified subsequent to the testing upon which the data used to establish the operating parameter ranges were obtained.

Establish expanded or replacement operating ranges for the monitoring parameter values listed in 63.864(e) and established in 63.864(j)(1) or (2) during subsequent performance tests using the test methods in 63.865.

Continuously monitor each parameter and determine the arithmetic average value of each parameter during each performance test. Multiple performance tests may be conducted to establish a range of parameter values. [40 CFR 63.864(j)]

51 Permittee shall implement corrective action, as specified in the startup, shutdown, and malfunction plan when any 3-hour average parameter value is outside the range of values established in 63.864(j). [40 CFR 63.864(k)(1)]

52 Permittee is in violation of the standards of 63.862 when six or more 3-hour average parameter values within any 6-month reporting period are outside the range of values established in 63.864(j). No more than one exceedance will be attributed in any given 24-hour period. [40 CFR 63.864(k)(2)]

53 Develop and implement a written plan as described in 63.6(e)(3) that contains specific procedures to be followed for operating the source and maintaining the source during periods of startup, shutdown, and malfunction, and a program of corrective action for malfunctioning process and control systems used to comply with the standards. The plan must also include the requirements in paragraphs (a)(1) and (2) of 60.866. [40 CFR 63.866(a)]

54 Maintain records of any occurrence when corrective action is required under 63.864(k)(1) and when a violation is noted under 63.864(k)(2). [40 CFR 63.866(b)]

55 In addition to the general records required by 63.10(b)(2), maintain records of the information in paragraphs (c)(1) through (7) of 60.866, as applicable. [40 CFR 63.866(c)]

56 Submit the applicable notifications from subpart A of part 63, as specified in Table 1 of subpart MM. [40 CFR 63.867(a)(1)]

57 Report quarterly if measured parameters meet any of the conditions specified in paragraph (k)(1) or (2) of 63.864. This report must contain the information specified in 63.10(c) of this part as well as the number and duration of occurrences when the source met or exceeded the conditions in 63.864(k)(1), and the number and duration of occurrences when the source met or exceeded the conditions in 63.864(k)(2). Reporting excess emissions below the violation thresholds of 63.864(k) does not constitute a violation of the applicable standard. When no exceedances of parameters have occurred, the owner or operator must submit a semiannual report stating that no excess emissions occurred during the reporting period. [40 CFR 63.867(c)]

EQT007 13-93 - Gas Turbine/HRSG Stack

58 Opacity ≤ 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:111.1101.B]

Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

EQ007 13-93 - Gas Turbine/HRSG Stack

- 59 HRSG only: Total suspended particulate \leq 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]
Which Months: All Year Statistical Basis: None specified
- 60 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III. Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]
- 61 Permittee shall ensure compliance with the opacity emission limits of this permit by visually inspecting emissions on a weekly basis. If visible emissions are detected above normal operating conditions, then, within three (3) working days, the permittee shall conduct a six-minute opacity reading in accordance with EPA Reference Method 9. Records of visible emission checks shall include emission point ID, date visual check was performed, a record if visible emissions were detected, and a record of any Method 9 testing conducted, and the results of any Method 9 test. These records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]
- 62 HRSG only: Nitrogen oxides \leq 0.08 lb/MMBTU. [LAC 33:III.509.J]
Which Months: All Year Statistical Basis: Hourly maximum
- 63 Gas turbine: Nitrogen oxides \leq 25 ppmdv @ 15% O₂ This limitation does not apply during low-load operation, provided the maximum limits of 54.5 lb/hr and 227.8 TPY for the Gas Turbine/HRSG are not exceeded. [LAC 33:III.509.J]
Which Months: All Year Statistical Basis: Hourly maximum
- 64 Gas turbine only: Particulate matter (10 microns or less) \leq 0.0085 gr/dscf. [LAC 33:III.509]
Which Months: All Year Statistical Basis: Hourly maximum
- 65 Gas turbine only: Nitrogen oxides \leq 25 ppmv @ 15% oxygen. [LAC 33:III.509]
Which Months: All Year Statistical Basis: Hourly maximum
- 66 Permittee shall fire natural gas in order to control emissions of particulate matter and sulfur dioxide from both the HRSG and the gas turbine. Permittee shall perform preventative maintenance in order to control emissions of carbon monoxide and volatile organic compounds from both the HRSG and the gas turbine. Permittee shall utilize low NOx burners in order to control nitrogen oxide emissions from the gas turbine. [LAC 33:III.509]
- 67 In lieu of monitoring and recording nitrogen and sulfur content of the fuel daily, monitor per EPA/LDEQ approved custom schedule approved on December 9, 1999, or as subsequently modified - 60.334(b)(2). [40 CFR 60.13(i), LAC 33:III.509]
- 68 Gas turbine only: Nitrogen oxides \leq 150 ppmdv @ 15% O₂ at 15% oxygen and on a dry basis in gases discharged to the atmosphere. Use analytical methods and procedures that are accurate to within 5 percent and are approved by DEQ to determine the nitrogen content of the fuel being fired per 40 CFR 60.335(a). Subpart GG. [40 CFR 60.332(a)(2)]
Which Months: All Year Statistical Basis: None specified
- 69 Gas turbine only: Fuel sulfur content \leq 0.8 % by weight for any fuel burned. Subpart GG. [40 CFR 60.333(b)]
Which Months: All Year Statistical Basis: None specified
- 70 Gas turbine only: Submit excess emissions report: Due by the 30th day following the end of each six-month period. Report periods of excess emissions as defined. Subpart GG. [40 CFR 60.334(c)]
- 71 Gas turbine only: Use the reference methods and procedures specified in conducting the performance tests required in 40 CFR 60.8, except as provided for in 40 CFR 60.8(b). Subpart GG. [40 CFR 60.335]
- 72 HRSG only: Nitrogen oxides \leq 0.20 lb/MMBTU heat input (expressed as NO₂). The nitrogen oxide standards apply at all times, including periods of startup, shutdown, or malfunction. Subpart Db. [40 CFR 60.44b(a)(4)(i)]
Which Months: All Year Statistical Basis: Thirty-day rolling average
- 73 HRSG only: Conduct performance testing to demonstrate compliance with the nitrogen oxides emission standards in 40 CFR 60.44b by following 40 CFR 60.46b(e) or (f), or following 40 CFR 60.46b(g) and (h), as applicable. Subpart Db. [40 CFR 60.46b(c)]

SPECIFIC REQUIREMENTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

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EQ1007 13-93 - Gas Turbine/HRSG Stack

- 74 HRSG only: Submit notification: Due as provided by 40 CFR 60.7. Submit a notification of the actual date of initial startup including design heat input capacity of the affected facility, identification of fuels to be combusted, copy of any federally enforceable requirement limiting annual capacity factor, and all other data as specified in 40 CFR 60.49b(a)(1) through (a)(4). Subpart Db. [40 CFR 60.49b(a)]
- 75 HRSG only: Submit the performance test data from the initial performance test to DEQ. Subpart Db. [40 CFR 60.49b(b)]
- 76 HRSG only: Fuel rate recordkeeping by electronic or hard copy daily. Record the amounts of each fuel combusted during each day and calculate the annual capacity factor individually for coal, distillate oil, residual oil, natural gas, wood, and municipal-type solid waste for the reporting period. Determine the annual capacity factor on a 12-month rolling average basis with a new annual capacity factor calculated at the end of each calendar month. Subpart Db. [40 CFR 60.49b(d)]
- 77 HRSG only: Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records of the information listed in 40 CFR 60.49b(g)(1) through (g)(10), as applicable, for each steam generating unit operating day. Subpart Db. [40 CFR 60.49b(g)]
- 78 HRSG only: Maintain all records required under 40 CFR 60.49b for a period of 2 years following the date of such record. Subpart Db. [40 CFR 60.49b(o)]

EQ1010 57-99 - HVLC Incinerator

- 79 Opacity \leq 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified
- 80 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]
- 81 Permittee shall ensure compliance with the opacity emission limits of this permit by visually inspecting emissions on a weekly basis. If visible emissions are detected above normal operating conditions, then, within three (3) working days, the permittee shall conduct a six-minute opacity reading in accordance with EPA Reference Method 9. Records of visible emission checks shall include emission point ID, date visual check was performed, a record if visible emissions were detected, and a record of any Method 9 testing conducted, and the results of any Method 9 test. These records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]
- 82 Comply with 40 CFR 63 Subpart S. Determined as MACT. [LAC 33:III.5109.A]
- 83 When LVHC gases are being combusted: Residence time \geq 0.5 sec. [40 CFR 60.283(a)(iii)]
Which Months: All Year Phases: Statistical Basis:
- 84 When LVHC gases are being combusted: Temperature \geq 1200 F. [40 CFR 60.283(a)(iii)]
Which Months: All Year Phases: Statistical Basis:
- 85 When LVHC gases are being combusted: Temperature monitored by temperature monitoring device continuously. The monitoring device is to be installed, calibrated, maintained, and operated to measure and record the combustion temperature at the point of incineration of effluent gases and certified by the manufacturer to be accurate within ± 1 percent of the temperature being measured. [40 CFR 60.284(b)(1)]
Which Months: All Year Statistical Basis: None specified
- 86 Report semiannually periods of excess emissions as defined in 60.284(d) if LVHC gases have been combusted during that period. [40 CFR 60.284(d)]
- 87 Reduce emissions of HAP \geq 98 percent; or reduce the total HAP concentration to \leq 20 ppmvd, corrected to 10% oxygen; or maintain firebox temperature \geq 1600 degrees F and residence time \geq 0.75 seconds. [40 CFR 63.443(d)]
Which Months: All Year Phases: Statistical Basis:

SPECIFIC REQUIREMENTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

EQT010 57-99 - HVLC Incinerator

88 Temperature monitored by temperature monitoring device continuously in the firebox or in the ductwork immediately downstream of the firebox and before any substantial heat exchange occurs. If complying with the HAP concentration requirements in 63.443(d)(2), permittee may install a CMS to monitor the thermal oxidizer outlet total HAP or methanol concentration. [40 CFR 63.453(b)]

Which Months: All Year Statistical Basis: None specified

89 To establish or reestablish the value for each operating parameter required to be monitored under 63.453(b), use the following procedures: [1]

(1) During the initial performance test required in 63.457(a) or any subsequent performance test, continuously record the operating parameter; [1]

(2) Determinations shall be based on the control performance and parameter data monitored during the performance test, supplemented if necessary by engineering assessments and the manufacturer's recommendations; [1]

(3) Provide for the Administrator's approval the rationale for the selected operating parameter value, and monitoring frequency, and averaging time. Include all data and calculations used to develop the value and a description of why the value, monitoring frequency, and averaging time demonstrate continuous compliance with the applicable emission standard. [40 CFR 63.453(n)]

90 Operate the control device in a manner consistent with the minimum or maximum (as appropriate) operating parameter value or procedure required to be monitored under 63.453(b) & (n). Except as provided in 63.443(e), operation of the control device below minimum operating parameter values or above maximum operating parameter values or failure to perform procedures required by Subpart S shall constitute a violation of the applicable emission standard and be reported as a period of excess emissions. [40 CFR 63.453(o)]

EQT012 33-93 - Oxidized Starch Silo

91 Filter elements (bags): Equipment/operational data monitored by technically sound method once every six months or whenever visual checks indicate maintenance may be necessary. Change elements as necessary. [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: None specified

92 Filter elements (bags): Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]

93 Filter vents: Visible emissions monitored by visual inspection/determination daily only when unloading operations are in progress. [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: None specified

94 Filter vents: Visible emissions recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of visual checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]

95 Permittee shall utilize bag filters on this silo during loading operations in order to control emissions of particulate matter. [LAC 33:III.509]

EQT013 24-93 - Wastewater Treatment

96 Permittee shall use a biodegradation system in order to control emissions of volatile organic compounds and total reduced sulfur. [LAC 33:III.509]

EQT014 8-78 - Lime Slaker/Lime Handling

97 Permittee shall vent emissions to a wet scrubber in order to control emissions of particulate matter, volatile organic compounds, and total reduced sulfur. The wet scrubber shall have a particulate matter removal efficiency of no less than 99.5 percent. [LAC 33:III.509]

EQT015 6-78 - No. 1 Smelt Dissolving Tank

SPECIFIC REQUIREMENTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

EQ1015 **6-78 - No. 1 Smelt Dissolving Tank**

- 98 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III. Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]
- 99 Total suspended particulate ≤ 0.5 lb/ton (equivalent pulp ton). [LAC 33:III.2301.D.1.b]
Which Months: All Year Phases: Statistical Basis:
- 100 Total reduced sulfur ≤ 0.016 g/kg black liquor solids fired. [LAC 33:III.2301.D.3.f]
Which Months: All Year Phases: Statistical Basis:
- 101 Chromium < 0.001 lb/hr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Hourly average
- 102 Chromium < 0.001 lb/hr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Hourly maximum
- 103 Chromium < 0.01 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 104 Total reduced sulfur ≤ 0.019 lb/ton of black liquor solids (lb/TBLS). [LAC 33:III.509]
- 105 Permittee shall utilize a wet scrubber to control emissions of particulate matter and total reduced sulfur. The wet scrubber shall have a particulate matter removal efficiency of no less than 99.5 percent. [LAC 33:III.509]
- 106 Permittee shall use good process controls for recovery boilers in order to control emissions of sulfur dioxide, nitrogen oxides, carbon monoxide, and volatile organic compounds. [LAC 33:III.509]
- 107 Comply with 40 CFR 63 Subpart MM. Determined as MACT. [LAC 33:III.5109.A]
- 108 In lieu of monitoring pressure loss of the gas stream through the control equipment per 60.284(b)(2), fan electrical Flow monitored by ammeter continuously. Record once per shift. [40 CFR 60.13(i)]
Which Months: All Year Statistical Basis: None specified
- 109 Total suspended particulate ≤ 0.2 lb/ton black liquor solids (dry weight). [40 CFR 60.282(a)(2)]
Which Months: All Year Phases: Statistical Basis:
- 110 Total reduced sulfur ≤ 0.033 lb/ton black liquor solids as H₂S. [40 CFR 60.283(a)(4)]
- 111 Scrubbing liquid supply Pressure monitored by pressure instrument continuously. The monitoring device is to be certified by the manufacturer to be accurate within ± 15 percent of design scrubbing liquid supply pressure. The pressure sensor or tap is to be located close to the scrubber liquid discharge point. Record once per shift. Compliance with 40 CFR 63 Subpart MM satisfies this condition. [40 CFR 60.284(b)(2)]
Which Months: All Year Statistical Basis: None specified
- 112 Total suspended particulate ≤ 0.20 lb/ton of black liquor solids fired. [40 CFR 63.862(a)(1)(B)]
Which Months: All Year Phases: Statistical Basis:
- 113 Flow monitored by flow rate monitoring device once every 15 minutes. The monitoring device used for continuous measurement of the scrubbing liquid flow rate must be certified by the manufacturer to be accurate within ± 5 percent of the design scrubbing liquid flow rate. [40 CFR 63.864(e)(10)]
Which Months: All Year Statistical Basis: Three-hour average
- 114 In lieu of monitoring the pressure drop across the scrubber per 63.864(e)(10), fan electrical Flow monitored by ammeter continuously. Approved by EPA September 8, 2003. [40 CFR 63.864(e)(13)]
Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

EQI015 6-78 - No. 1 Smelt Dissolving Tank

- 115 During the initial performance test required in 63.865, the permittee shall establish operating ranges for the monitoring parameters in 63.864(e), as appropriate; or Base operating ranges on values recorded during previous performance tests or conduct additional performance tests for the specific purpose of establishing operating ranges, provided that test data used to establish the operating ranges are or have been obtained using the test methods required in Subpart MM. The permittee must certify that all control techniques and processes have not been modified subsequent to the testing upon which the data used to establish the operating parameter ranges were obtained.
- Establish expanded or replacement operating ranges for the monitoring parameter values listed in 63.864(e) and established in 63.864(j)(1) or (2) during subsequent performance tests using the test methods in 63.865.
- Continuously monitor each parameter and determine the arithmetic average value of each parameter during each performance test. Multiple performance tests may be conducted to establish a range of parameter values. [40 CFR 63.864(j)]
- 116 Permittee shall implement corrective action, as specified in the startup, shutdown, and malfunction plan when any 3-hour average parameter value is outside the range of values established in 63.864(j). [40 CFR 63.864(k)(1)]
- 117 Permittee is in violation of the standards of 63.862 when six or more 3-hour average parameter values within any 6-month reporting period are outside the range of values established in 63.864(j). No more than one exceedance will be attributed in any given 24-hour period. [40 CFR 63.864(k)(2)]
- 118 Develop and implement a written plan as described in 63.6(e)(3) that contains specific procedures to be followed for operating the source and maintaining the source during periods of startup, shutdown, and malfunction, and a program of corrective action for malfunctioning process and control systems used to comply with the standards. The plan must also include the requirements in paragraphs (a)(1) and (2) of 60.866. [40 CFR 63.866(a)]
- 119 Maintain records of any occurrence when corrective action is required under 63.864(k)(1) and when a violation is noted under 63.864(k)(2). [40 CFR 63.866(b)]
- 120 In addition to the general records required by 63.10(b)(2), maintain records of the information in paragraphs (c)(1) through (7) of 60.866, as applicable. [40 CFR 63.866(c)]
- 121 Submit the applicable notifications from subpart A of part 63, as specified in Table 1 of subpart MM. [40 CFR 63.867(a)(1)]
- 122 Report quarterly if measured parameters meet any of the conditions specified in paragraph (k)(1) or (2) of 63.864. This report must contain the information specified in 63.10(c) of this part as well as the number and duration of occurrences when the source met or exceeded the conditions in 63.864(k)(1), and the number and duration of occurrences when the source met or exceeded the conditions in 63.864(k)(2). Reporting excess emissions below the violation thresholds of 63.864(k) does not constitute a violation of the applicable standard. When no exceedances of parameters have occurred, the owner or operator must submit a semiannual report stating that no excess emissions occurred during the reporting period. [40 CFR 63.867(c)]

EQI016 45-96 - No. 2 Fuel Oil Bulk Tank

- 123 Equip with a submerged fill pipe. [LAC 33:III.509]
- 124 Equip with submerged fill pipe. Determined as MACT. [LAC 33:III.5109.A]

EQI017 28-93j - Process Liquor Tanks - Soap Skimmer Tank (No. 1)

- 125 No additional control is determined to be BACT. [LAC 33:III.509]

EQI018 36-96 - Caterpillar Back-up Diesel Air Compressor (No. 1)

SPECIFIC REQUIREMENTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

EQT018 36-96 - Caterpillar Back-up Diesel Air Compressor (No. 1)

- 126 Opacity \leq 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified
- 127 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]
- 128 Operating time recordkeeping by electronic or hard copy monthly. Keep records of the total operating time each month, as well as the total operating time for the preceding six consecutive months. Make records available for inspection by DEQ personnel. [LAC 33:III.501.C.6]
- 129 Operating time monitored by technically sound method continuously. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified
- 130 If operating time exceeds 720 hours in any six consecutive month period, within the next 90 days, permittee shall test that engine for NOX, CO and O2 concentrations in the stack gas utilizing portable analyzers that are calibrated before each test using a known reference gas sample. Concentrations of NOX, CO and O2 shall be maintained in the same range as during the stack tests in 2000 and 2001. Records of operating times and test results, if required, shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.509]
- 131 Permittee shall perform preventative maintenance on this engine in order to control emissions of particulate matter, sulfur dioxide, nitrogen oxides, carbon monoxide, and volatile organic compounds. [LAC 33:III.509]

EQT019 53-96 - Boiler Feedwater/Steam Condensate Treatment Operations

- 132 Permittee shall utilize additives with low volatile organic compounds (VOC) concentration in order to control emissions of volatile organic compounds. [LAC 33:III.509]

EQT021 34-93 - Talc Silo

- 133 Filter elements (bags): Equipment/operational data monitored by technically sound method once every six months or whenever visual checks indicate maintenance may be necessary. Change elements as necessary. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified
- 134 Filter elements (bags): Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]
- 135 Filter vents: Visible emissions monitored by visual inspection/determination daily only when unloading operations are in progress. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified
- 136 Filter vents: Visible emissions recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of visual checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]
- 137 Permittee shall utilize bag filters on this silo during loading operations in order to control emissions of particulate matter. [LAC 33:III.509]

EQT022 61-01 - Pearl Starch Silo

- 138 Filter elements (bags): Equipment/operational data monitored by technically sound method once every six months or whenever visual checks indicate maintenance may be necessary. Change elements as necessary. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified
- 139 Filter elements (bags): Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]

SPECIFIC REQUIREMENTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

EQ1022 61-01 - Pearl Starch Silo

- 140 Filter vents: Visible emissions monitored by visual inspection/determination daily only when unloading operations are in progress. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified
- 141 Filter vents: Visible emissions recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of visual checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]
- 142 Permittee shall utilize bag filters on this silo during loading operations in order to control emissions of particulate matter. [LAC 33:III.509]

EQ1025 9-78 - NCG Incinerator

- 143 Opacity \leq 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified
- 144 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]
- 145 Permittee shall ensure compliance with the opacity emission limits of this permit by visually inspecting emissions on a weekly basis. If visible emissions are detected above normal operating conditions, then, within three (3) working days, the permittee shall conduct a six-minute opacity reading in accordance with EPA Reference Method 9. Records of visible emission checks shall include emission point ID, date visual check was performed, a record if visible emissions were detected, and a record of any Method 9 testing conducted, and the results of any Method 9 test. These records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]
- 146 Combustion temperature of total reduced sulfur (TRS) emissions routed to this source shall be incinerated at 1200 degrees Fahrenheit for at least 0.5 seconds. [LAC 33:III.509]
- 147 Comply with 40 CFR 63 Subpart S. Determined as MACT. [LAC 33:III.5109.A]
- 148 Residence time \geq 0.5 sec. [40 CFR 60.283(a)(1)(iii)]
Which Months: All Year Phases: Statistical Basis:
- 149 Temperature \geq 1200 F. [40 CFR 60.283(a)(1)(iii)]
Which Months: All Year Phases: Statistical Basis:
- 150 Temperature monitored by temperature monitoring device continuously. The monitoring device is to be installed, calibrated, maintained, and operated to measure and record the combustion temperature at the point of incineration of effluent gases and certified by the manufacturer to be accurate within \pm 1 percent of the temperature being measured. [40 CFR 60.284(b)(1)]
Which Months: All Year Statistical Basis: None specified
- 151 Report semiannually periods of excess emissions as defined in 60.284(d). [40 CFR 60.7(c)]
- 152 Reduce emissions of HAP \geq 98 percent; or reduce the total HAP concentration to \leq 20 ppmvd, corrected to 10% oxygen; or maintain firebox temperature \geq 1600 degrees F and residence time \geq 0.75 seconds. [40 CFR 63.443(d)]
Which Months: All Year Phases: Statistical Basis:
- 153 Temperature monitored by temperature monitoring device continuously in the firebox or in the ductwork immediately downstream of the firebox and before any substantial heat exchange occurs. If complying with the HAP concentration requirements in 63.443(d)(2), permittee may install a CMS to monitor the thermal oxidizer outlet total HAP or methanol concentration. [40 CFR 63.453(b)]
Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

EQI025 9-78 - NCG Incinerator

154 To establish or reestablish the value for each operating parameter required to be monitored under 63.453(b), use the following procedures:

(1) During the initial performance test required in 63.457(a) or any subsequent performance test, continuously record the operating parameter;

(2) Determinations shall be based on the control performance and parameter data monitored during the performance test, supplemented if necessary by engineering assessments and the manufacturer's recommendations;

(3) Provide for the Administrator's approval the rationale for the selected operating parameter value, and monitoring frequency, and averaging time. Include all data and calculations used to develop the value and a description of why the value, monitoring frequency, and averaging time demonstrate continuous compliance with the applicable emission standard. [40 CFR 63.453(n)]

155 Operate the control device in a manner consistent with the minimum or maximum (as appropriate) operating parameter value or procedure required to be monitored under 63.453(b) & (n). Except as provided in 63.443(e), operation of the control device below minimum operating parameter values or above maximum operating parameter values or failure to perform procedures required by Subpart S shall constitute a violation of the applicable emission standard and be reported as a period of excess emissions. [40 CFR 63.453(o)]

EQI026 38-96 - Auxiliary Diesel Generator (No. 1)

156 Opacity \leq 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]

Which Months: All Year Statistical Basis: None specified

157 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

158 Operating time recordkeeping by electronic or hard copy monthly. Keep records of the total operating time each month, as well as the total operating time for the preceding six consecutive months. Make records available for inspection by DEQ personnel. [LAC 33:III.501.C.6]

159 Operating time monitored by technically sound method continuously. [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: None specified

160 If operating time exceeds 720 hours in any six consecutive month period, within the next 90 days, permittee shall test that engine for NOX, CO and O2 concentrations in the stack gas utilizing portable analyzers that are calibrated before each test using a known reference gas sample. Concentrations of NOX, CO and O2 shall be maintained in the same range as during the stack tests in 2000 and 2001. Records of operating times and test results, if required, shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.509]

161 Permittee shall perform preventative maintenance on this engine in order to control emissions of particulate matter, sulfur dioxide, nitrogen oxides, carbon monoxide, and volatile organic compounds. [LAC 33:III.509]

EQI027 39-96 - Auxiliary Diesel Generator (No. 2)

162 Opacity \leq 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]

Which Months: All Year Statistical Basis: None specified

163 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

SPECIFIC REQUIREMENTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

EQT027 39-96 - Auxiliary Diesel Generator (No. 2)

- 164 Operating time recordkeeping by electronic or hard copy monthly. Keep records of the total operating time each month, as well as the total operating time for the preceding six consecutive months. Make records available for inspection by DEQ personnel. [LAC 33:III.501.C.6]
- 165 Operating time monitored by technically sound method continuously. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified
- 166 If operating time exceeds 720 hours in any six consecutive month period, within the next 90 days, permittee shall test that engine for NOX, CO and O2 concentrations in the stack gas utilizing portable analyzers that are calibrated before each test using a known reference gas sample. Concentrations of NOX, CO and O2 shall be maintained in the same range as during the stack tests in 2000 and 2001. Records of operating times and test results, if required, shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.509]
- 167 Permittee shall perform preventative maintenance on this engine in order to control emissions of particulate matter, sulfur dioxide, nitrogen oxides, carbon monoxide, and volatile organic compounds. [LAC 33:III.509]

EQT028 46-96 - Detroit Diesel Fire-Water Pump No. 2

- 168 Opacity \leq 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified
- 169 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

EQT029 47-96 - Detroit Diesel Fire-Water Pump No. 3

- 170 Opacity \leq 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified
- 171 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

EQT030 48-96 - Clarifier Diesel Engine "Big Bubba"

- 172 Opacity \leq 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified
- 173 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

EQT031 49-96 - Waste Clarifier Diesel Engine

SPECIFIC REQUIREMENTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

EQT031 49-96 - Waste Clarifier Diesel Engine

- 174 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified
- 175 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

EQT032 50-96 - Administration Building Diesel Generator

- 176 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified
- 177 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]
- 178 Operating time recordkeeping by electronic or hard copy monthly. Keep records of the total operating time each month, as well as the total operating time for the preceding six consecutive months. Make records available for inspection by DEQ personnel. [LAC 33:III.501.C.6]
- 179 Operating time monitored by technically sound method continuously. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified
- 180 If operating time exceeds 720 hours in any six consecutive month period, within the next 90 days, permittee shall test that engine for NOX, CO and O2 concentrations in the stack gas utilizing portable analyzers that are calibrated before each test using a known reference gas sample. Concentrations of NOX, CO and O2 shall be maintained in the same range as during the stack tests in 2000 and 2001. Records of operating times and test results, if required, shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.509]
- 181 Permittee shall perform preventative maintenance on this engine in order to control emissions of particulate matter, sulfur dioxide, nitrogen oxides, carbon monoxide, and volatile organic compounds. [LAC 33:III.509]

EQT033 51-96 - Effluent Lift Pit Diesel Engine

- 182 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified
- 183 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

EQT034 52-96 - Mud Storage Diesel Generator

- 184 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

EQT034 52-96 - Mud Storage Diesel Generator

185 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III. Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

EQT035 2-78 - No. 2 Power Boiler

186 Opacity \leq 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]

Which Months: All Year Statistical Basis: None specified

187 Total suspended particulate \leq 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]

Which Months: All Year Statistical Basis: None specified

188 Sulfur dioxide \leq 2000 ppmv at standard conditions. [LAC 33:III.1503.C]

Which Months: All Year Statistical Basis: Three-hour average

189 Determine sulfur dioxide and sulfuric acid mist concentrations in stack gases using the methods in LAC 33:III.1503.D. Table 4. Use these methods for initial compliance determinations and for additional compliance determinations for those facilities not subject to continuous emission monitoring. [LAC 33:III.1503.D.1]

190 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate compliance with the provisions of LAC 33:III. Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

191 Submit report: Due annually, by the 31st of March, in accordance with LAC 33:III.918. Report data required to demonstrate compliance with the provisions of LAC 33:III. Chapter 15. [LAC 33:III.1513]

192 Submit quarterly reports of three-hour excess emissions and prompt reports of emergency occurrences, in accordance with LAC 33:III.927. [LAC 33:III.1513]

193 This boiler shall fire only the following fuels in any combination: bark/wood debris, paper, solid wood residuals, creosote-treated railroad cross-ties, recycle plant sludge, unrecyclable old corrugated container material, bagasse, coal, no. 2 fuel oil, no. 4 fuel oil, no. 6 fuel oil, distillate grades of fuel oil, used on-specification oil, used petroleum mineral spirits, onsite fuel oil solids, natural gas, tire-derived fuel, solid paraffin, high caustic, pine tar fuels, conforming waste material, polyethylene wax, and woodwaste materials containing phenol-formaldehyde resin which is otherwise known as PlyTrim. Conforming waste material shall mean materials such as cellulose, woven and non-woven fabrics, plastics, elastomers, and adhesives that result from the manufacture of personal care products. [LAC 33:III.501.C.6]

194 Chromium \leq 3.2 tons/yr. [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: Annual maximum

195 Chromium \leq 0.73 lb/hr. [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: Hourly average

196 Chromium \leq 0.73 lb/hr. [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: Hourly maximum

197 Opacity \leq 20 percent. Having installed opacity monitors pursuant to the requirements of permit no. PSD-LA-93, permittee shall diligently maintain and operate opacity monitors. Opacity as measured by these monitors shall not exceed 20 percent except for one six-minute period per hour when 27 percent opacity will be allowed. The opacity exceedances shall be recorded each month, as well as the opacity exceedances for the last twelve months. These records shall be kept on site and made available for inspection by DEQ personnel. A report showing the opacity exceedances shall comply with the reporting requirements of 40 CFR 70.6(a)(3)(iii)(A) and (B) and shall be submitted to the Office of Environmental Services, Surveillance Division semiannually on March 31 and September 30 for the preceding six month period. [LAC 33:III.509]

Which Months: All Year Statistical Basis: Constant

198 Permittee shall use a single stage dust collector/electrostatic precipitator with a particulate matter removal efficiency of no less than 99.5% and a lead removal efficiency of no less than 80% in order to control emissions of particulate matter and lead. [LAC 33:III.509]

SPECIFIC REQUIREMENTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

EQ1035 2-78 - No. 2 Power Boiler

- 199 Permittee shall use good process controls in order to control emissions of volatile organic compounds (VOC) and total reduced sulfur (TRS). [LAC 33:III.509]
- 200 Total suspended particulate \leq 0.10 lb/MMBTU (43 nanograms per joule) heat input derived from fossil fuel or fossil fuel and wood residue. Subpart D. [40 CFR 60.42(a)(1)]
Which Months: All Year Statistical Basis: None specified
- 201 Opacity \leq 20 percent except for one six-minute period per hour of not more than 27 percent opacity. Subpart D. [40 CFR 60.42(a)(2)]
Which Months: All Year Statistical Basis: Six-minute average
- 202 Sulfur dioxide \leq 0.80 lb/MMBTU for liquid fossil fuels with/without wood residue; SO₂ \leq 1.2 lb/MM Btu for solid fossil fuels with/without wood residue. Subpart D. [40 CFR 60.43]
- 203 Nitrogen oxides: All Year Statistical Basis: None specified
Nitrogen oxides \leq 0.20 lb/MMBTU for natural gas; NO_x \leq 0.30 lb/MM Btu for natural gas and wood residue; NO_x \leq 0.30 lb/MM Btu for liquid fossil fuels with/without wood residue; NO_x \leq 0.70 lb/MM Btu for solid fossil fuels with/without wood residue. Subpart D. [40 CFR 60.44]
- 204 Use the procedures in 40 CFR 60.45(c)(1) through (c)(5) for performance evaluations under 40 CFR 60.13(c) and calibration checks under 40 CFR 60.13(d). Subpart D. [40 CFR 60.45(c)]
- 205 Submit excess emission and monitoring system performance reports: Due semiannually for each six-month period in the calendar year. Postmark all semiannual reports by the 30th day following the end of each six-month period. Include the information required in 40 CFR 60.7(c). Subpart D. [40 CFR 60.45(g)]
- 206 Opacity monitored by continuous emission monitor (CEM) continuously, except as provided in 40 CFR 60.45(b). Convert the data to the units of the applicable standard as specified in 40 CFR 60.45(e) and (f). Subpart D. [40 CFR 60.45]
- Which Months: All Year Statistical Basis: None specified
- 207 Sulfur dioxide monitored by continuous emission monitor (CEM) continuously, except as provided in 40 CFR 60.45(b). Convert the data to the units of the applicable standard as specified in 40 CFR 60.45(e) and (f). Subpart D. [40 CFR 60.45]
- Which Months: All Year Statistical Basis: None specified
- 208 Nitrogen oxides monitored by continuous emission monitor (CEM) continuously, except as provided in 40 CFR 60.45(b). Convert the data to the units of the applicable standard as specified in 40 CFR 60.45(e) and (f). Subpart D. [40 CFR 60.45]
- Which Months: All Year Statistical Basis: None specified
- 209 Oxygen or Carbon dioxide monitored by continuous emission monitor (CEM) continuously, except as provided in 40 CFR 60.45(b). Convert the data to the units of the applicable standard as specified in 40 CFR 60.45(e) and (f). Subpart D. [40 CFR 60.45]
- Which Months: All Year Statistical Basis: None specified
- 210 Conduct the performance tests required in 40 CFR 60.8 using as reference methods and procedures the test methods in 40 CFR 60 Appendix A or other methods and procedures as specified in 40 CFR 60.46, except as provided in 40 CFR 60.8(b). Subpart D. [40 CFR 60.46(a)]

EQ1036 4-78 - No. 1 Recovery Boiler

- 211 Determine sulfur dioxide and sulfuric acid mist concentrations in stack gases using the methods in LAC 33:III.1503.D Table 4. Use these methods for initial compliance determinations and for additional compliance determinations for those facilities not subject to continuous emission monitoring. [LAC 33:III.1503.D.1]
- 212 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]
- 213 Submit report: Due annually, by the 31st of March, in accordance with LAC 33:III.918. Report data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 15. [LAC 33:III.1513]

SPECIFIC REQUIREMENTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

EQI036 4-78 - No. 1 Recovery Boiler

- 214 Submit quarterly reports of three-hour excess emissions and prompt reports of emergency occurrences, in accordance with LAC 33:III.927. [LAC 33:III.1513]
- 215 Total suspended particulate \leq 4.0 lb/ton (equivalent pulp ton). [LAC 33:III.2301.D.1.a]
Which Months: All Year Phases: Statistical Basis:
- 216 Total reduced sulfur \leq 5 ppmv corrected to 8% oxygen. [LAC 33:III.2301.D.3.a]
Which Months: All Year Phases: Statistical Basis:
- 217 Confirm particulate emissions are less than that specified in LAC 33:III.2301.D.1 annually using Method 5 of 40 CFR 60, Appendix A. The results shall be submitted to the Office of Environmental Assessment, Environmental Technology Division as specified in LAC 33:III.919 and 918. [LAC 33:III.2301.D.4.a]
- 218 Opacity \leq 40 percent, except that emitted may have an average opacity in excess of 40 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.2301.D.4]
- 219 Chromium \leq 0.002 lb/hr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Hourly average
- 220 Chromium \leq 0.003 lb/hr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Hourly maximum
- 221 Chromium \leq 0.01 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 222 To maintain heat input from fuel oil below the threshold for applicability of the 40 CFR 60 Subpart D, permittee shall maintain the fuel oil annual capacity factor less than 10%. The fossil fuel annual capacity factor shall be calculated and recorded each month, as well as the factor for the last twelve consecutive months. These records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. A report showing the monthly fossil fuel annual capacity factor for the last six months, as well as the factors for the twelve month periods which end in the preceding six month period, shall be submitted to the Office of Environmental Compliance, Enforcement Division, semiannually in accordance with Part 70 General Condition K. The boiler shall become subject to NSPS Subpart D if the fossil fuel annual capacity factor is greater than or equal to 10% in any twelve consecutive month period, and shall remain subject to such regulations for the life of the boiler. [LAC 33:III.501.C.6]
- 223 Opacity \leq 20 percent. Having installed opacity monitors pursuant to the requirements of permit no. PSD-LA-93, permittee shall diligently maintain and operate opacity monitors. The span of the monitoring system shall be set at 70 percent opacity in accordance with 40 CFR 60.284(a)(1). Opacity as measured by these monitors shall not exceed 20 percent except for one six-minute period per hour when 27 percent opacity will be allowed. The opacity exceedances shall be recorded each month, as well as the opacity exceedances for the last twelve months. These records shall be kept on site and made available for inspection by DEQ personnel. A report showing the opacity exceedances shall comply with the reporting requirements of 40 CFR 70.6(a)(3)(iii)(A) and (B) and shall be submitted to the Office of Environmental Services, Surveillance Division semiannually on March 31 and September 30 for the preceding six month period. [LAC 33:III.509]
- Which Months: All Year Statistical Basis: Constant
- 224 Nitrogen oxides \leq 1.6 lb/ton of black liquor solids (lb/TBLS). [LAC 33:III.509]
Which Months: All Year Statistical Basis: Hourly maximum
- 225 Sulfur dioxide \leq 2.58 lb/ton of black liquor solids (lb/TBLS). [LAC 33:III.509]
Which Months: All Year Statistical Basis: Hourly maximum
- 226 Carbon monoxide \leq 4.7 lb/ton of black liquor solids (lb/TBLS). [LAC 33:III.509]
Which Months: All Year Statistical Basis: Hourly maximum
- 227 VOC, Total \leq 0.38 lb/ton of black liquor solids (lb/TBLS). [LAC 33:III.509]
Which Months: All Year Statistical Basis: Hourly maximum

SPECIFIC REQUIREMENTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

EQ1036 4-78 - No. 1 Recovery Boiler

- 228 Particulate matter (10 microns or less) ≤ 0.044 gr/dscf at 8% oxygen. Compliance with this limit shall be demonstrated by conducting annual performance testing as required by LAC 33:III.2301.D.4.a and performing scheduled electrostatic precipitator maintenance. [LAC 33:III.509]
Which Months: All Year Statistical Basis: Hourly average
- 229 Particulate matter (10 microns or less) ≤ 0.02 gr/dscf at 8% oxygen. Compliance with this limit shall be demonstrated by conducting annual performance testing as required by LAC 33:III.2301.D.4.a and performing scheduled electrostatic precipitator maintenance. [LAC 33:III.509]
Which Months: All Year Statistical Basis: Annual average
- 230 Total reduced sulfur ≤ 5 ppmv at 8% oxygen. Compliance with this limit shall be determined using the existing total reduced sulfur CEMS. [LAC 33:III.509]
Which Months: All Year Statistical Basis: Hourly maximum
- 231 Total reduced sulfur ≤ 2.41 ppmv at 8% oxygen. Compliance with this limit shall be determined using the existing total reduced sulfur CEMS. [LAC 33:III.509]
Which Months: All Year Statistical Basis: Annual average
- 232 Fuel rate ≤ 10 percent for fossil fuels. Determined as BACT. [LAC 33:III.509]
Which Months: All Year Statistical Basis: Annual maximum
- 233 Permittee shall use proper boiler design, good combustion practices, and low-sulfur fuel in order to control emissions of sulfur dioxide. Permittee shall use proper boiler design, good combustion practices, and low NOx burners for fossil fuel firing in order to control emissions of nitrogen oxides. Permittee shall use proper boiler design and good combustion practices in order to control emissions of carbon monoxide and volatile organic compounds. Permittee shall use the existing electrostatic precipitator (ESP) in order to control emissions of particulate matter. Permittee shall use low-odor design and combustion optimization in order to control emissions of total reduced sulfur and hydrogen sulfide. Permittee shall use proper boiler design in order to control emissions of sulfuric acid. Determined as BACT. [LAC 33:III.509]
- 234 Permittee shall vent emission from this source to an electrostatic precipitator with a particulate matter removal efficiency of no less than 99.7 percent and a lead removal efficiency of greater than 80 percent. [LAC 33:III.5109.A]
- 235 Comply with 40 CFR 63 Subpart MM. Determined as MACT. [LAC 33:III.5109.A]
- 236 Total suspended particulate ≤ 0.044 gr/dscf corrected to 8% oxygen. [40 CFR 60.282(a)(1)]
Which Months: All Year Phases: Statistical Basis:
- 237 Opacity < 35 percent. [40 CFR 60.282(a)(1)]
Which Months: All Year Statistical Basis: Six-minute average
- 238 Total reduced sulfur ≤ 5 ppmdv @ 8% oxygen. [40 CFR 60.283(a)(2)]
Which Months: All Year Phases: Statistical Basis:
- 239 Opacity monitored by continuous opacity monitor (COM) continuously. [40 CFR 60.284(a)(1)]
Which Months: All Year Statistical Basis: Six-minute average
- 240 Oxygen monitored by CMS continuously. [40 CFR 60.284(a)(2)]
Which Months: All Year Statistical Basis: One-hour average
- 241 Total reduced sulfur monitored by continuous emission monitor (CEM) continuously. [40 CFR 60.284(a)(2)]
Which Months: All Year Statistical Basis: One-hour average
- 242 Calculate and record on a daily basis 12-hour average TRS concentrations for the two consecutive periods of each operating day. Each 12-hour average shall be determined as the arithmetic mean of the appropriate 12 contiguous 1-hour average total reduced sulfur concentrations provided by the continuous monitoring system. [40 CFR 60.284(c)(1)]
- 243 Calculate and record on a daily basis 12-hour average oxygen concentrations for the two consecutive periods of each operating day. These 12-hour averages shall correspond to the 12-hour average TRS concentrations under 60.284(c)(1) and shall be determined as an arithmetic mean of the appropriate 12 contiguous 1-hour average oxygen concentrations provided by the continuous monitoring system. [40 CFR 60.284(c)(2)]
- 244 Correct all 12-hour average TRS concentrations to 8 volume percent oxygen. [40 CFR 60.284(c)(3)]

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EQT036 4-78 - No. 1 Recovery Boiler

- 245 The procedures under 60.13 shall be followed for installation, evaluation, and operation of the continuous monitoring systems. All continuous monitoring systems shall be operated in accordance with the applicable procedures under Performance Specifications 1, 3, and 5 of appendix B to part 60. Quarterly accuracy determinations and daily calibration drift tests shall be performed in accordance with Procedure F to part 60. Procedure I of appendix F shall not apply to the TRS CEMS if 60.284(f) is revised or EPA otherwise clarifies in writing that this procedure does not apply to TRS CEMS. [40 CFR 60.284(f)]
- 246 Report semiannually periods of excess emissions as defined in 60.284(d). [40 CFR 60.7(c)]
- 247 Total suspended particulate ≤ 0.044 gr/dscf @ 8% oxygen. [40 CFR 63.862(a)(1)(i)(A)]
Which Months: All Year Phases: Statistical Basis:
- 248 Opacity monitored by continuous opacity monitor (COM) continuously. As specified in 63.8(c)(4)(i), each COMS must complete a minimum of one cycle of sampling and analyzing for each successive 10-second period and one cycle of data recording for each successive 6-minute period. The COMS data must be reduced as specified in 63.8(g)(2). [40 CFR 63.864(d)]
- Which Months: All Year Statistical Basis: None specified
- 249 Permittee shall implement corrective action, as specified in the startup, shutdown, and malfunction plan when the average of ten consecutive 6-minute averages result in a measurement greater than 20 percent opacity. [40 CFR 63.864(k)(1)]
- 250 Permittee is in violation of the standards of 63.862 when opacity is greater than 35 percent or more of the operating time within any quarterly period. [40 CFR 63.864(k)(2)]
- 251 Develop and implement a written plan as described in 63.6(e)(3) that contains specific procedures to be followed for operating the source and maintaining the source during periods of startup, shutdown, and malfunction, and a program of corrective action for malfunctioning process and control systems used to comply with the standards. The plan must also include the requirements in paragraphs (a)(1) and (2) of 60.866. [40 CFR 63.866(a)]
- 252 Maintain records of any occurrence when corrective action is required under 63.864(k)(1) and when a violation is noted under 63.864(k)(2). [40 CFR 63.866(b)]
- 253 In addition to the general records required by 63.10(b)(2), maintain records of the information in paragraphs (c)(1) through (7) of 60.866, as applicable. [40 CFR 63.866(c)]
- 254 Submit the applicable notifications from subpart A of part 63, as specified in Table 1 of subpart MM. [40 CFR 63.867(a)(1)]
- 255 Report quarterly if measured parameters meet any of the conditions specified in paragraph (k)(1) or (2) of 63.864. This report must contain the information specified in 63.10(c) of this part as well as the number and duration of occurrences when the source met or exceeded the conditions in 63.864(k)(1), and the number and duration of occurrences when the source met or exceeded the conditions in 63.864(k)(2). Reporting excess emissions below the violation thresholds of 63.864(k) does not constitute a violation of the applicable standard. When no exceedances of parameters have occurred, the owner or operator must submit a semiannual report stating that no excess emissions occurred during the reporting period. [40 CFR 63.867(c)]

EQT037 5-78 - No. 2 Recovery Boiler

- 256 Determine sulfur dioxide and sulfuric acid mist concentrations in stack gases using the methods in LAC 33:III.1503.D. Table 4. Use these methods for initial compliance determinations and for additional compliance determinations for those facilities not subject to continuous emission monitoring. [LAC 33:III.1503.D.1]
- 257 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate compliance with the provisions of LAC 33:III. Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]
- 258 Submit report: Due annually, by the 31st of March, in accordance with LAC 33:III.918. Report data required to demonstrate compliance with the provisions of LAC 33:III. Chapter 15. [LAC 33:III.1513]
- 259 Submit quarterly reports of three-hour excess emissions and prompt reports of emergency occurrences, in accordance with LAC 33:III.927. [LAC 33:III.1513]
- 260 Total suspended particulate ≤ 4.0 lb/ton (equivalent pulp ton). [LAC 33:III.2301.D.1.a]
Which Months: All Year Phases: Statistical Basis:

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Air - Title V Regular Permit Major Mod

EQI03Z 5-78 - No. 2 Recovery Boiler

- 261 Total reduced sulfur \leq 5 ppmv corrected to 8% oxygen. [LAC 33:III.2301.D.3.a]
Which Months: All Year Phases: Statistical Basis:
- 262 Confirm particulate emissions are less than that specified in LAC 33:III.2301.D.1 annually using Method 5 of 40 CFR 60, Appendix A. The results shall be submitted to the Office of Environmental Assessment, Environmental Technology Division as specified in LAC 33:III.919 and 918. [LAC 33:III.2301.D.4.a]
- 263 Opacity \leq 40 percent, except that emitted may have an average opacity in excess of 40 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.2301.D.4]
- Which Months: All Year Statistical Basis: Six-minute average
- 264 Chromium \leq 0.003 lb/hr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Hourly maximum
- 265 Chromium \leq 0.002 lb/hr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Hourly average
- 266 Chromium \leq 0.01 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 267 To maintain heat input from fuel oil below the threshold for applicability of the 40 CFR 60 Subpart D, permittee shall maintain the fuel oil annual capacity factor less than 10%. The fossil fuel annual capacity factor shall be calculated and recorded each month, as well as the factor for the last twelve consecutive months. These records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. A report showing the monthly fossil fuel annual capacity factor for the last six months, as well as the factors for the twelve month periods which end in the preceding six month period, shall be submitted to the Office of Environmental Compliance, Enforcement Division, semiannually in accordance with Part 70 General Condition K. The boiler shall become subject to NSPS Subpart D if the fossil fuel annual capacity factor is greater than or equal to 10% in any twelve consecutive month period, and shall remain subject to such regulations for the life of the boiler. [LAC 33:III.501.C.6]
- 268 Opacity \leq 20 percent. Having installed opacity monitors pursuant to the requirements of permit no. PSD-LA-93, permittee shall diligently maintain and operate opacity monitors. The span of the monitoring system shall be set at 70 percent opacity in accordance with 40 CFR 60.284(a)(1). Opacity as measured by these monitors shall not exceed 20 percent except for one six-minute period per hour when 27 percent opacity will be allowed. The opacity exceedances shall be recorded each month, as well as the opacity exceedances for the last twelve months. These records shall be kept on site and made available for inspection by DEQ personnel. A report showing the opacity exceedances shall comply with the reporting requirements of 40 CFR 70.6(a)(3)(iii)(A) and (B) and shall be submitted to the Office of Environmental Services, Surveillance Division semiannually on March 31 and September 30 for the preceding six month period. [LAC 33:III.509]
- Which Months: All Year Statistical Basis: Constant
- 269 Nitrogen oxides \leq 1.6 lb/ton of black liquor solids (lb/TBLS). [LAC 33:III.509]
Which Months: All Year Statistical Basis: Hourly maximum
- 270 Sulfur dioxide \leq 2.58 lb/ton of black liquor solids (lb/TBLS). [LAC 33:III.509]
Which Months: All Year Statistical Basis: Hourly maximum
- 271 Carbon monoxide \leq 4.7 lb/ton of black liquor solids (lb/TBLS). [LAC 33:III.509]
Which Months: All Year Statistical Basis: Hourly maximum
- 272 VOC, Total \leq 0.38 lb/ton of black liquor solids (lb/TBLS). [LAC 33:III.509]
Which Months: All Year Statistical Basis: Hourly maximum
- 273 Particulate matter (10 microns or less) \leq 0.044 gr/dscf at 8% oxygen. Compliance with this limit shall be demonstrated by conducting annual performance testing as required by LAC 33:III.2301.D.4.a and performing scheduled electrostatic precipitator maintenance. [LAC 33:III.509]
Which Months: All Year Statistical Basis: Hourly average

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EQT037 5-78 - No. 2 Recovery Boiler

- 274 Particulate matter (10 microns or less) \leq 0.02 gr/dscf at 8% oxygen. Compliance with this limit shall be demonstrated by conducting annual performance testing as required by LAC 33:III.2301.D.4.a and performing scheduled electrostatic precipitator maintenance. [LAC 33:III.509]
Which Months: All Year Statistical Basis: Annual average
- 275 Total reduced sulfur \leq 5 ppmv at 8% oxygen. Compliance with this limit shall be determined using the existing total reduced sulfur CEMS. [LAC 33:III.509]
Which Months: All Year Statistical Basis: Hourly maximum
- 276 Total reduced sulfur \leq 2.41 ppmv at 8% oxygen. Compliance with this limit shall be determined using the existing total reduced sulfur CEMS. [LAC 33:III.509]
Which Months: All Year Statistical Basis: Annual average
- 277 Fuel rate \leq 10 percent for fossil fuels. Determined as BACT. [LAC 33:III.509]
Which Months: All Year Statistical Basis: Annual maximum
- 278 Permittee shall use proper boiler design, good combustion practices, and low-sulfur fuel in order to control emissions of sulfur dioxide. Permittee shall use proper boiler design, good combustion practices, and low NOx burners for fossil fuel firing in order to control emissions of nitrogen oxides. Permittee shall use proper boiler design and good combustion practices in order to control emissions of carbon monoxide and volatile organic compounds. Permittee shall use the existing electrostatic precipitator (ESP) in order to control emissions of particulate matter. Permittee shall use low-odor design and combustion optimization in order to control emissions of total reduced sulfur and hydrogen sulfide. Permittee shall use proper boiler design in order to control emissions of sulfuric acid. Determined as BACT. [LAC 33:III.509]
- 279 Permittee shall vent emission from this source to an electrostatic precipitator with a particulate matter removal efficiency of no less than 99.7 percent and a lead removal efficiency of greater than 80 percent. [LAC 33:III.509]
- 280 Comply with 40 CFR 63 Subpart MM. Determined as MACT. [LAC 33:III.5109.A]
- 281 Opacity $<$ 35 percent. [40 CFR 60.282(a)(1)]
Which Months: All Year Statistical Basis: Six-minute average
- 282 Total suspended particulate \leq 0.044 gr/dscf corrected to 8% oxygen. [40 CFR 60.282(a)(1)]
Which Months: All Year Phases: Statistical Basis:
- 283 Total reduced sulfur \leq 5 ppmdv @ 8% oxygen. [40 CFR 60.283(a)(2)]
Which Months: All Year Phases: Statistical Basis:
- 284 Opacity monitored by continuous opacity monitor (COM) continuously. [40 CFR 60.284(a)(1)]
Which Months: All Year Statistical Basis: Six-minute average
- 285 Oxygen monitored by CMS continuously. [40 CFR 60.284(a)(2)]
Which Months: All Year Statistical Basis: One-hour average
- 286 Total reduced sulfur monitored by continuous emission monitor (CEM) continuously. [40 CFR 60.284(a)(2)]
Which Months: All Year Statistical Basis: One-hour average
- 287 Calculate and record on a daily basis 12-hour average TRS concentrations for the two consecutive periods of each operating day. Each 12-hour average shall be determined as the arithmetic mean of the appropriate 12 contiguous 1-hour average total reduced sulfur concentrations provided by the continuous monitoring system. [40 CFR 60.284(c)(1)]
- 288 Calculate and record on a daily basis 12-hour average oxygen concentrations for the two consecutive periods of each operating day. These 12-hour averages shall correspond to the 12-hour average TRS concentrations under 60.284(c)(1) and shall be determined as an arithmetic mean of the appropriate 12 contiguous 1-hour average oxygen concentrations provided by the continuous monitoring system. [40 CFR 60.284(c)(1)]
- 289 Correct all 12-hour average TRS concentrations to 8 volume percent oxygen. [40 CFR 60.284(c)(3)]
- 290 The procedures under 60.13 shall be followed for installation, evaluation, and operation of the continuous monitoring systems. All continuous monitoring systems shall be operated in accordance with the applicable procedures under Performance Specifications 1, 3, and 5 of appendix B to part 60. Quarterly accuracy determinations and daily calibration drift tests shall be performed in accordance with Procedure 1 of appendix F to part 60. Procedure 1 of appendix F shall not apply to the TRS CEMS if 60.284(f) is revised or EPA otherwise clarifies in writing that this procedure does not apply to TRS CEMS. [40 CFR 60.284(f)]

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- 291 Report semiannually periods of excess emissions as defined in 60.284(d). [40 CFR 60.7(c)]
- 292 Maintain records of any occurrence when corrective action is required under 63.864(k)(1) and when a violation is noted under 63.864(k)(2). [40 CFR 61.866(b)]
- 293 Total suspended particulate ≤ 0.044 gr/dscf @ 8% oxygen. [40 CFR 63.862(a)(1)(i)(A)]
Which Months: All Year Phases: Statistical Basis:
- 294 Opacity monitored by continuous opacity monitor (COM) continuously. As specified in 63.8(c)(4)(i), each COMS must complete a minimum of one cycle of sampling and analyzing for each successive 10-second period and one cycle of data recording for each successive 6-minute period. The COMS data must be reduced as specified in 63.8(g)(2). [40 CFR 63.864(d)]
Which Months: All Year Statistical Basis: None specified
- 295 Permittee shall implement corrective action, as specified in the startup, shutdown, and malfunction plan when the average of ten consecutive 6-minute averages result in a measurement greater than 20 percent opacity. [40 CFR 63.864(k)(1)]
- 296 Permittee is in violation of the standards of 63.862 when opacity is greater than 35 percent or more of the operating time within any quarterly period. [40 CFR 63.864(k)(2)]
- 297 Develop and implement a written plan as described in 63.6(e)(3) that contains specific procedures to be followed for operating the source and maintaining the source during periods of startup, shutdown, and malfunction, and a program of corrective action for malfunctioning process and control systems used to comply with the standards. The plan must also include the requirements in paragraphs (a)(1) and (2) of 60.866. [40 CFR 63.866(a)]
- 298 In addition to the general records required by 63.10(b)(2), maintain records of the information in paragraphs (c)(1) through (7) of 60.866, as applicable. [40 CFR 63.866(c)]
- 299 Submit the applicable notifications from subpart A of part 63, as specified in Table 1 of subpart M. [40 CFR 63.867(a)(1)]
- 300 Report quarterly if measured parameters meet any of the conditions specified in paragraph (k)(1) or (2) of 63.864. This report must contain the information specified in 63.10(c) of this part as well as the number and duration of occurrences when the source met or exceeded the conditions in 63.864(k)(1), and the number and duration of occurrences when the source met or exceeded the conditions in 63.864(k)(2). Reporting excess emissions below the violation thresholds of 63.864(k) does not constitute a violation of the applicable standard. When no exceedances of parameters have occurred, the owner or operator must submit a semiannual report stating that no excess emissions occurred during the reporting period. [40 CFR 63.867(c)]

EQI038 7-78 - No. 2 Smelt Dissolving Tank

- 301 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]
- 302 Total suspended particulate ≤ 0.5 lb/ton (equivalent pulp ton). [LAC 33:III.2301.D.1.b]
Which Months: All Year Phases: Statistical Basis:
- 303 Total reduced sulfur ≤ 0.016 g/kg black liquor solids fired. [LAC 33:III.2301.D.3.f]
Which Months: All Year Phases: Statistical Basis:
- 304 Chromium < 0.001 lb/hr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Hourly average
- 305 Chromium < 0.001 lb/hr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Hourly maximum
- 306 Chromium < 0.01 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

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EQ1038 7-78 - No. 2 Smelt Dissolving Tank

- 307 Trichloroethylene ≤ 0.001 lb/hr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 308 Total reduced sulfur ≤ 0.019 lb/ton of black liquor solids (lb/TBLS). [LAC 33:III.509]
- 309 Comply with 40 CFR 63 Subpart MM. Determined as MACT. [LAC 33:III.5109.A]
- 310 In lieu of monitoring pressure loss of the gas stream through the control equipment per 60.284(b)(2), fan electrical Flow monitored by ammeter continuously. Record once per shift. [40 CFR 60.13(f)]
- 311 Total suspended particulate ≤ 0.2 lb/ton black liquor solids (dry weight). [40 CFR 60.282(a)(2)]
Which Months: All Year Statistical Basis: None specified
Which Months: All Year Phases: Statistical Basis:
- 312 Total reduced sulfur ≤ 0.033 lb/ton black liquor solids as H₂S. [40 CFR 60.283(a)(4)]
- 313 Scrubbing liquid supply Pressure monitored by pressure instrument continuously. The monitoring device is to be certified by the manufacturer to be accurate within ± 15 percent of design scrubbing liquid supply pressure. The pressure sensor or tap is to be located close to the scrubber liquid discharge point. Record once per shift. Compliance with 40 CFR 63 Subpart MM satisfies this condition. [40 CFR 60.284(b)(2)]
Which Months: All Year Statistical Basis: None specified
- 314 Total suspended particulate ≤ 0.20 lb/ton of black liquor solids fired. [40 CFR 63.862(a)(1)(b)]
Which Months: All Year Phases: Statistical Basis:
- 315 Flow monitored by flow rate monitoring device once every 15 minutes. The monitoring device used for continuous measurement of the scrubbing liquid flow rate must be certified by the manufacturer to be accurate within ± 5 percent of the design scrubbing liquid flow rate. [40 CFR 63.864(e)(10)]
Which Months: All Year Statistical Basis: Three-hour average
- 316 In lieu of monitoring the pressure drop across the scrubber per 63.864(e)(10), fan electrical Flow monitored by ammeter continuously. Approved by EPA September 8, 2003. [40 CFR 63.864(e)(13)]
Which Months: All Year Statistical Basis: None specified
- 317 During the initial performance test required in 63.865, the permittee shall establish operating ranges for the monitoring parameters in 63.864(e), as appropriate; or ()
Base operating ranges on values recorded during previous performance tests or conduct additional performance tests for the specific purpose of establishing operating ranges, provided that test data used to establish the operating ranges are or have been obtained using the test methods required in Subpart MM. The permittee must certify that all control techniques and processes have not been modified subsequent to the testing upon which the data used to establish the operating parameter ranges were obtained. d
- () Establish expanded or replacement operating ranges for the monitoring parameter values listed in 63.864(e) and established in 63.864(j)(1) or (2) during subsequent performance tests using the test methods in 63.865. ()
- () Continuously monitor each parameter and determine the arithmetic average value of each parameter during each performance test. Multiple performance tests may be conducted to establish a range of parameter values. [40 CFR 63.864(j)]
- 318 Permittee shall implement corrective action, as specified in the startup, shutdown, and malfunction plan when any 3-hour average parameter value is outside the range of values established in 63.864(j). [40 CFR 63.864(k)(1)]
- 319 Permittee is in violation of the standards of 63.862 when six or more 3-hour average parameter values within any 6-month reporting period are outside the range of values established in 63.864(j). No more than one exceedance will be attributed in any given 24-hour period. [40 CFR 63.864(k)(2)]

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EQT038 7-78 - No. 2 Smelt Dissolving Tank

320 Develop and implement a written plan as described in 63.6(e)(3) that contains specific procedures to be followed for operating the source and maintaining the source during periods of startup, shutdown, and malfunction, and a program of corrective action for malfunctioning process and control systems used to comply with the standards. The plan must also include the requirements in paragraphs (a)(1) and (2) of 60.866. [40 CFR 63.866(a)]

321 Maintain records of any occurrence when corrective action is required under 63.864(k)(1) and when a violation is noted under 63.864(k)(2). [40 CFR 63.866(b)]

322 In addition to the general records required by 63.10(b)(2), maintain records of the information in paragraphs (c)(1) through (7) of 60.866, as applicable. [40 CFR 63.866(c)]

323 Submit the applicable notifications from subpart A of part 63, as specified in Table 1 of subpart MM. [40 CFR 63.867(a)(1)]

324 Report quarterly if measured parameters meet any of the conditions specified in paragraph (k)(1) or (2) of 63.864. This report must contain the information specified in 63.10(c) of this part as well as the number and duration of occurrences when the source met or exceeded the conditions in 63.864(k)(1), and the number and duration of occurrences when the source met or exceeded the conditions in 63.864(k)(2). Reporting excess emissions below the violation thresholds of 63.864(k) does not constitute a violation of the applicable standard. When no exceedances of parameters have occurred, the owner or operator must submit a semiannual report stating that no excess emissions occurred during the reporting period. [40 CFR 63.867(c)]

EQT054 28-93a - Process Liquor Tanks - Primary Weak Black Liquor Storage Tank East

325 No additional control is determined to be BACT. [LAC 33:III.509]

EQT055 28-93b - Process Liquor Tanks - Primary Weak Black Liquor Storage Tank West

326 No additional control is determined to be BACT. [LAC 33:III.509]

EQT056 28-93c - Process Liquor Tanks - Secondary Weak Black Liquor Storage Tank

327 No additional control is determined to be BACT. [LAC 33:III.509]

EQT057 28-93d - Process Liquor Tanks - Semicheical Weak Black Liquor Storage Tank

328 No additional control is determined to be BACT. [LAC 33:III.509]

329 Styrene < 0.01 tons/yr. [LAC 33:III.5109.A]

Which Months: All Year Statistical Basis: Annual average

EQT058 28-93e - Process Liquor Tanks - Swing Weak Black Liquor Storage Tank

330 No additional control is determined to be BACT. [LAC 33:III.509]

331 Methyl isobutyl ketone < 0.01 tons/yr. [LAC 33:III.5109.B]

Which Months: All Year Statistical Basis: Annual average

EQT059 28-93f - Process Liquor Tanks - No. 1 Intermediate Black Liquor Storage Tank

332 No additional control is determined to be BACT. [LAC 33:III.509]

333 No additional control is determined to be BACT. [LAC 33:III.509]

EQT060 28-93g - Process Liquor Tanks - No. 2 Intermediate Black Liquor Storage Tank

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EQT060 28-93g - Process Liquor Tanks - No. 2 Intermediate Black Liquor Storage Tank

- 334 No additional control is determined to be BACT. [LAC 33:III.509]
- 335 No additional control is determined to be BACT. [LAC 33:III.509]

EQT061 28-93h - Process Liquor Tanks - Heavy Black Liquor Storage Tank

- 336 No additional control is determined to be BACT. [LAC 33:III.509]
- 337 No additional control is determined to be BACT. [LAC 33:III.509]

EQT062 28-93k - Process Liquor Tanks - Soap Skimmer Tank (No. 2)

- 338 No additional control is determined to be BACT. [LAC 33:III.509]

EQT063 28-93l - Process Liquor Tanks - Soap Collection Tank (No. 1)

- 339 No additional control is determined to be BACT. [LAC 33:III.509]

EQT064 28-93m - Process Liquor Tanks - Soap Collection Tank (No. 2)

- 340 No additional control is determined to be BACT. [LAC 33:III.509]

EQT065 28-93n - Process Liquor Tanks - Soap Storage Tank

- 341 No additional control is determined to be BACT. [LAC 33:III.509]

EQT066 28-93o - Boilout Tank

- 342 No additional control is determined to be BACT. [LAC 33:III.509]

EQT067 28-93p - No. 1 Spill Tank

- 343 No additional control is determined to be BACT. [LAC 33:III.509]

EQT068 28-93q - No. 2 Spill Tank

- 344 No additional control is determined to be BACT. [LAC 33:III.509]

EQT069 28-93r - #1 RB Black Liquor Dump Tank

- 345 No additional control is determined to be BACT. [LAC 33:III.509]

EQT070 28-93s - #2 RB Black Liquor Dump Tank

- 346 No additional control is determined to be BACT. [LAC 33:III.509]

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- EQT071** **29-93a - Causticizing Area - No. 1 Green Liquor Clarifier**
347 No additional control is determined to be BACT. [LAC 33:III.509]
348 No additional control is determined to be BACT. [LAC 33:III.509]
- EQT072** **29-93b - Causticizing Area - No. 2 Green Liquor Clarifier**
349 No additional control is determined to be BACT. [LAC 33:III.509]
- EQT073** **29-93c - Causticizing Area - No. 1 Green Liquor Storage Tank**
350 No additional control is determined to be BACT. [LAC 33:III.509]
- EQT074** **29-93d - Causticizing Area - No. 2 Green Liquor Storage Tank**
351 No additional control is determined to be BACT. [LAC 33:III.509]
- EQT075** **29-93j - Causticizing Area - No. 1 Weak Wash Tank**
352 No additional control is determined to be BACT. [LAC 33:III.509]
- EQT076** **29-93k - Causticizing Area - No. 2 Weak Wash Tank**
353 No additional control is determined to be BACT. [LAC 33:III.509]
- EQT077** **29-93l - Causticizing Area - No. 1 White Liquor Clarifier**
354 No additional control is determined to be BACT. [LAC 33:III.509]
- EQT078** **29-93m - Causticizing Area - No. 2 White Liquor Clarifier**
355 No additional control is determined to be BACT. [LAC 33:III.509]
- EQT079** **29-93n - Causticizing Area - No. 1 White Liquor Storage Tank**
356 No additional control is determined to be BACT. [LAC 33:III.509]
- EQT080** **29-93o - Causticizing Area - No. 2 White Liquor Storage Tank**
357 No additional control is determined to be BACT. [LAC 33:III.509]
358 No additional control is determined to be BACT. [LAC 33:III.509]
- EQT081** **29-93p - Causticizing Area - No. 3 White Liquor Storage Tank**
359 No additional control is determined to be BACT. [LAC 33:III.509]
360 No additional control is determined to be BACT. [LAC 33:III.509]

SPECIFIC REQUIREMENTS

AI ID: 328 - International Paper Co - Mansfield Mill
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EQT082 29-93q - Causticizing Area - Lime Mud Mix Tank

361 No additional control is determined to be BACT. [LAC 33:III.509]

EQT083 29-93t - Causticizing Area - Lime Mud Storage Tank

362 No additional control is determined to be BACT. [LAC 33:III.509]

363 No additional control is determined to be BACT. [LAC 33:III.509]

EQT084 29-93v - Waste Clarifier

364 No additional control is determined to be BACT. [LAC 33:III.509]

EQT085 29-93w - Sodium Hydrosulfide Tank #1

365 No additional control is determined to be BACT. [LAC 33:III.509]

EQT086 29-93x - Sodium Hydrosulfide Tank #2

366 No additional control is determined to be BACT. [LAC 33:III.509]

EQT087 31-93i - Pulp Mill Tanks - Primary High Density Storage Chest A

367 No additional control is determined to be BACT. [LAC 33:III.509]

EQT088 31-93j - Pulp Mill Tanks - Primary High Density Storage Chest B

368 No additional control is determined to be BACT. [LAC 33:III.509]

EQT089 31-93k - Pulp Mill Tanks - Primary High Density Storage Chest C

369 No additional control is determined to be BACT. [LAC 33:III.509]

EQT090 31-93l - Pulp Mill Tanks - Secondary High Density Storage Chest

370 No additional control is determined to be BACT. [LAC 33:III.509]

EQT091 31-93m - Pulp Mill Tanks - Semichemical High Density Storage Chest

371 No additional control is determined to be BACT. [LAC 33:III.509]

EQT092 31-93n - Pine Digester Dump Tank

372 No additional control is determined to be BACT. [LAC 33:III.509]

EQT093 31-93o - Hardwood Digester Dump Tank

SPECIFIC REQUIREMENTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

- EQT093** **31-93o - Hardwood Digester Dump Tank**
373 No additional control is determined to be BACT. [LAC 33:III.509]
- EQT094** **31-93p - Semicheical Digester Dump Tank**
374 No additional control is determined to be BACT. [LAC 33:III.509]
- EQT096** **40-96 - Unleaded Gasoline Bulk Tank**
375 Equip with a submerged fill pipe. [LAC 33:III.2103.A]
376 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]
377 Permittee shall utilize a vapor recovery device to control emissions of volatile organic compounds from this source. [LAC 33:III.509]
378 Equip with submerged fill pipe. Determined as MACT. [LAC 33:III.5109.A]
- EQT097** **41-96 - Lime Kiln Gasoline Tank**
379 Equip with a submerged fill pipe. [LAC 33:III.2103.A]
380 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]
381 Equip with submerged fill pipe. Determined as MACT. [LAC 33:III.5109.A]
- EQT098** **43-96 - No. 6 Fuel Oil Storage Tank**
382 Equip with a submerged fill pipe. [LAC 33:III.509]
- EQT099** **44-96 - Fuel Oil Day Tank (No. 6)**
383 Equip with a submerged fill pipe. [LAC 33:III.509]
- EQT103** **56-98e - Crude Tall Oil - Sulfuric Acid Storage Tank**
384 Sulfuric acid < 0.01 tons/yr. [LAC 33:III.5109.A]
Which Months: All Year Statistical Basis: Annual average
- EQT111** **14-93 - Repulper #1**
385 No additional control is determined as BACT. [LAC 33:III.509]
- EQT112** **15-93 - Repulper #2**
386 No additional control is determined as BACT. [LAC 33:III.509]
- EQT113** **16-93 - Repulper #3**

SPECIFIC REQUIREMENTS

AI ID: 328 - International Paper Co - Mansfield Mill
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EQT113 16-93 - Repulper #3

387 No additional control is determined as BACT. [LAC 33:III.509]

EQT118 20-93b - No. 1 Paper Machine - Save-all Vent No. 1

388 No additional control is determined to be BACT. [LAC 33:III.509]

EQT126 21-93a - No. 2 Paper Machine - Grouped Source

389 No additional control is determined to be BACT. [LAC 33:III.509]

EQT127 21-93b - No. 2 Paper Machine - Save-all Vent No. 1

390 No additional control is determined to be BACT. [LAC 33:III.509]

EQT135 22-93a - No. 3 Paper Machine - Grouped Source

391 No additional control is determined to be BACT. [LAC 33:III.509]

EQT136 22-93c - No. 3 Paper Machine - Save-all Vent

392 No additional control is determined to be BACT. [LAC 33:III.509]

EQT142 29-93e - Causticizing Area - Dregs Filter

393 No additional control is determined to be BACT. [LAC 33:III.509]

EQT143 29-93f - Causticizing Area - No. 1 Causticizer

394 No additional control is determined to be BACT. [LAC 33:III.509]

EQT144 29-93g - Causticizing Area - No. 2 Causticizer

395 No additional control is determined to be BACT. [LAC 33:III.509]

EQT145 29-93h - Causticizing Area - No. 3 Causticizer

396 No additional control is determined to be BACT. [LAC 33:III.509]

EQT146 29-93i - Causticizing Area - No. 4 Causticizer

397 No additional control is determined to be BACT. [LAC 33:III.509]

398 No additional control is determined to be BACT. [LAC 33:III.509]

EQT147 29-93r - Causticizing Area - No. 1 Lime Mud Washer

SPECIFIC REQUIREMENTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20050002
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- EQT147** **29-93r - Causticizing Area - No. 1 Lime Mud Washer**
399 No additional control is determined to be BACT. [LAC 33:III.509]
- EQT148** **29-93s - Causticizing Area - No. 2 Lime Mud Washer**
400 No additional control is determined to be BACT. [LAC 33:III.509]
- EQT149** **29-93u - Causticizing Area - Lime Mud Precoat Filter**
401 No additional control is determined to be BACT. [LAC 33:III.509]
- EQT150** **30-93a - Black Liquor Filters - Secondary Black Liquor Filter**
402 No additional control is determined to be BACT. [LAC 33:III.509]
- EQT151** **30-93b - Black Liquor Filters - Primary Black Liquor Filter**
403 No additional control is determined to be BACT. [LAC 33:III.509]
- EQT153** **63-04 - Repulper #4**
404 No additional control is determined to be BACT. [LAC 33:III.509]
- EQT155** **NCG-A - Primary Digester System**
405 Nonhalogenated hydrocarbon burning: Temperature \geq 1300 F (704 degrees C) for 0.3 second or greater in a direct-flame afterburner or an equally effective device which achieves a removal efficiency of 95 percent or greater, as determined in accordance with LAC 33:III.2115.J.1, or if emissions are reduced to 50 ppm by volume, whichever is less stringent. Compliance with 40 CFR 63 Subpart S satisfies this condition. [LAC 33:III.2115.A]
Which Months: All Year Statistical Basis: None specified
406 Determine compliance with LAC 33:III.2115.A through G by applying the test methods specified in LAC 33:III.2115.I.1 through 5, as appropriate. Compliance with 40 CFR 63 Subpart S satisfies this condition.. [LAC 33:III.2115.I]
407 Demonstrate compliance with LAC 33:III.2115 as requested by DEQ. Compliance with 40 CFR 63 Subpart S satisfies this condition. [LAC 33:III.2115.J.1]
408 Install and maintain monitors to accurately measure and record operational parameters of all required control devices as necessary to ensure the proper functioning of those devices in accordance with design specifications. Monitor and record at a minimum the parameters listed in LAC 33:III.2115.J.2.a through e. Compliance with 40 CFR 63 Subpart S satisfies this condition. [LAC 33:III.2115.J.2]
409 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain the records specified in LAC 33:III.2115.K.1 through K.3. Environmental Protection Agency upon request. Compliance with 40 CFR 63 Subpart S satisfies LAC 33:III.2115.K.1 and LAC 33:III.2115.K.3. [LAC 33:III.2115.K]
410 Total reduced sulfur \leq 5 ppmv. [LAC 33:III.2301.D.3]
Which Months: All Year Phases: Statistical Basis:
411 Shall be vented to the Lime Kiln (EQT 6, 03-78), the NCG Incinerator (EQT 25, 09-78), or HVLC Incinerator (EQT 10, 57-99). [40 CFR 60.283(a)(1)(i) and (iii)]
- EQT156** **NCG-B - Secondary Digester System**

SPECIFIC REQUIREMENTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

EQT156 **NCG-B - Secondary Digester System**

- 412 Nonhalogenated hydrocarbon burning: Temperature \geq 1300 F (704 degrees C) for 0.3 second or greater in a direct-flame afterburner or an equally effective device which achieves a removal efficiency of 95 percent or greater, as determined in accordance with LAC 33:III.2115.J.1, or if emissions are reduced to 50 ppm by volume, whichever is less stringent. Compliance with 40 CFR 63 Subpart S satisfies this condition. [LAC 33:III.2115.A]
Which Months: All Year Statistical Basis: None specified
- 413 Determine compliance with LAC 33:III.2115.A through G by applying the test methods specified in LAC 33:III.2115.1.1 through 5, as appropriate. Compliance with 40 CFR 63 Subpart S satisfies this condition. [LAC 33:III.2115.I]
- 414 Demonstrate compliance with LAC 33:III.2115 as requested by DEQ. Compliance with 40 CFR 63 Subpart S satisfies this condition. [LAC 33:III.2115.J.1]
- 415 Install and maintain monitors to accurately measure and record operational parameters of all required control devices as necessary to ensure the proper functioning of those devices in accordance with design specifications. Monitor and record at a minimum the parameters listed in LAC 33:III.2115.J.2.a through e. Compliance with 40 CFR 63 Subpart S satisfies this condition. [LAC 33:III.2115.J.2]
- 416 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain the records specified in LAC 33:III.2115.K.1 through K.3. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request. Compliance with 40 CFR 63 Subpart S satisfies LAC 33:III.2115.K.1 and LAC 33:III.2115.K.3. [LAC 33:III.2115.K]
- 417 Total reduced sulfur \leq 5 ppmv. [LAC 33:III.2301.D.3]
Which Months: All Year Phases: Statistical Basis:
- 418 Shall be vented to the Lime Kiln (EQT 6, 03-78), the NCG Incinerator (EQT 25, 09-78), or HVLC Incinerator (EQT 10, 57-99). [40 CFR 60.283(a)(i)(i) and (iii)]

EQT157 **NCG-C - Semicheical Digester System**

- 419 Nonhalogenated hydrocarbon burning: Temperature \geq 1300 F (704 degrees C) for 0.3 second or greater in a direct-flame afterburner or an equally effective device which achieves a removal efficiency of 95 percent or greater, as determined in accordance with LAC 33:III.2115.J.1, or if emissions are reduced to 50 ppm by volume, whichever is less stringent. Compliance with this condition has been determined to be compliance with 40 CFR 63 Subpart S. [LAC 33:III.2115.A]
Which Months: All Year Statistical Basis: None specified
- 420 Determine compliance with LAC 33:III.2115.A through G by applying the test methods specified in LAC 33:III.2115.1.1 through 5, as appropriate. Compliance with this condition has been determined to be compliance with 40 CFR 63 Subpart S. [LAC 33:III.2115.I]
- 421 Demonstrate compliance with LAC 33:III.2115 as requested by DEQ. Compliance with this condition has been determined to be compliance with 40 CFR 63 Subpart S. [LAC 33:III.2115.J.1]
- 422 Install and maintain monitors to accurately measure and record operational parameters of all required control devices as necessary to ensure the proper functioning of those devices in accordance with design specifications. Monitor and record at a minimum the parameters listed in LAC 33:III.2115.J.2.a through e. Compliance with this condition has been determined to be compliance with 40 CFR 63 Subpart S. [LAC 33:III.2115.J.2]
- 423 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain the records specified in LAC 33:III.2115.K.1 through K.3. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request. Compliance with LAC 33:III.2115.K.1 and LAC 33:III.2115.K.3 has been determined to be compliance with 40 CFR 63 Subpart S. [LAC 33:III.2115.K]
- 424 Total reduced sulfur \leq 5 ppmv. [LAC 33:III.2301.D.3]
Which Months: All Year Phases: Statistical Basis:
- 425 Shall be vented to the Lime Kiln (EQT 6, 03-78), the NCG Incinerator (EQT 25, 09-78), or HVLC Incinerator (EQT 10, 57-99). [40 CFR 60.283(a)(i)(i) and (iii)]

EQT158 **NCG-D - No. 1 Evaporator**

SPECIFIC REQUIREMENTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

EQT158 NCG-D - No. 1 Evaporator

- 426 Nonhalogenated hydrocarbon burning: Temperature \geq 1300 F (704 degrees C) for 0.3 second or greater in a direct-flame afterburner or an equally effective device which achieves a removal efficiency of 95 percent or greater, as determined in accordance with LAC 33:III.2115.J.1, or if emissions are reduced to 50 ppm by volume, whichever is less stringent. Compliance with 40 CFR 63 Subpart S satisfies this condition. [LAC 33:III.2115.A]
- Which Months: All Year Statistical Basis: None specified
- 427 Determine compliance with LAC 33:III.2115.A through G by applying the test methods specified in LAC 33:III.2115.I.1 through 5, as appropriate. Compliance with 40 CFR 63 Subpart S satisfies this condition. [LAC 33:III.2115.I]
- 428 Demonstrate compliance with LAC 33:III.2115 as requested by DEQ. Compliance with 40 CFR 63 Subpart S satisfies this condition. [LAC 33:III.2115.J.1]
- 429 Install and maintain monitors to accurately measure and record operational parameters of all required control devices as necessary to ensure the proper functioning of those devices in accordance with design specifications. Monitor and record at a minimum the parameters listed in LAC 33:III.2115.J.2.a through e. Compliance with 40 CFR 63 Subpart S satisfies this condition. [LAC 33:III.2115.J.2]
- 430 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain the records specified in LAC 33:III.2115.K.1 through K.3. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request. Compliance with 40 CFR 63 Subpart S satisfies LAC 33:III.2115.K.1 and LAC 33:III.2115.K.3. [LAC 33:III.2115.K]
- 431 Total reduced sulfur \leq 5 ppmv. [LAC 33:III.2301.D.3]
- Which Months: All Year Phases: Statistical Basis:
- 432 Shall be vented to the Lime Kiln (EQT 6, 03-78), the NCG Incinerator (EQT 25, 09-78), or HVLC Incinerator (EQT 10, 57-99). [40 CFR 60.283(a)(1)(i) and (iii)]

EQT159 NCG-E - No. 2 Evaporator

- 433 Nonhalogenated hydrocarbon burning: Temperature \geq 1300 F (704 degrees C) for 0.3 second or greater in a direct-flame afterburner or an equally effective device which achieves a removal efficiency of 95 percent or greater, as determined in accordance with LAC 33:III.2115.J.1, or if emissions are reduced to 50 ppm by volume, whichever is less stringent. Compliance with 40 CFR 63 Subpart S satisfies this condition. [LAC 33:III.2115.A]
- Which Months: All Year Statistical Basis: None specified
- 434 Determine compliance with LAC 33:III.2115.A through G by applying the test methods specified in LAC 33:III.2115.I.1 through 5, as appropriate. Compliance with 40 CFR 63 Subpart S satisfies this condition. [LAC 33:III.2115.I]
- 435 Demonstrate compliance with LAC 33:III.2115 as requested by DEQ. Compliance with 40 CFR 63 Subpart S satisfies this condition. [LAC 33:III.2115.J.1]
- 436 Install and maintain monitors to accurately measure and record operational parameters of all required control devices as necessary to ensure the proper functioning of those devices in accordance with design specifications. Monitor and record at a minimum the parameters listed in LAC 33:III.2115.J.2.a through e. Compliance with 40 CFR 63 Subpart S satisfies this condition. [LAC 33:III.2115.J.2]
- 437 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain the records specified in LAC 33:III.2115.K.1 through K.3. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request. Compliance with 40 CFR 63 Subpart S satisfies LAC 33:III.2115.K.1 and LAC 33:III.2115.K.3. [LAC 33:III.2115.K]
- 438 Total reduced sulfur \leq 5 ppmv. [LAC 33:III.2301.D.3]
- Which Months: All Year Phases: Statistical Basis:
- 439 Shall be vented to the Lime Kiln (EQT 6, 03-78), the NCG Incinerator (EQT 25, 09-78), or HVLC Incinerator (EQT 10, 57-99). [40 CFR 60.283(a)(1)(i) and (iii)]

EQT160 NCG-H - No. 1 Concentrator System

SPECIFIC REQUIREMENTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

EQT160 NCG-H - No. 1 Concentrator System

- 440 Nonhalogenated hydrocarbon burning: Temperature \geq 1300 F (704 degrees C) for 0.3 second or greater in a direct-flame afterburner or an equally effective device which achieves a removal efficiency of 95 percent or greater, as determined in accordance with LAC 33:III.2115.J.1, or if emissions are reduced to 50 ppm by volume, whichever is less stringent. Compliance with 40 CFR 63 Subpart S satisfies this condition. [LAC 33:III.2115.A]
- Which Months: All Year Statistical Basis: None specified
- 441 Determine compliance with LAC 33:III.2115.A through G by applying the test methods specified in LAC 33:III.2115.J.1 through 5, as appropriate. Compliance with 40 CFR 63 Subpart S satisfies this condition. [LAC 33:III.2115.J]
- 442 Demonstrate compliance with LAC 33:III.2115 as requested by DEQ. Compliance with 40 CFR 63 Subpart S satisfies this condition. [LAC 33:III.2115.J.1]
- 443 Install and maintain monitors to accurately measure and record operational parameters of all required control devices as necessary to ensure the proper functioning of those devices in accordance with design specifications. Monitor and record at a minimum the parameters listed in LAC 33:III.2115.J.2.a through e. Compliance with 40 CFR 63 Subpart S satisfies this condition. [LAC 33:III.2115.J.2]
- 444 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain the records specified in LAC 33:III.2115.K.1 through K.3. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request. Compliance with 40 CFR 63 Subpart S satisfies LAC 33:III.2115.K.1 and LAC 33:III.2115.K.3. [LAC 33:III.2115.K]
- 445 Total reduced sulfur \leq 5 ppmv. [LAC 33:III.2301.D.3]
- Which Months: All Year Phases: Statistical Basis:
- 446 Shall be vented to the Lime Kiln (EQT 6, 03-78), the NCG Incinerator (EQT 25, 09-78), or HVLC Incinerator (EQT 10, 57-99). [40 CFR 60.283(a)(i) and (iii)]

EQT161 NCG-I - No. 2 Concentrator System

- 447 Nonhalogenated hydrocarbon burning: Temperature \geq 1300 F (704 degrees C) for 0.3 second or greater in a direct-flame afterburner or an equally effective device which achieves a removal efficiency of 95 percent or greater, as determined in accordance with LAC 33:III.2115.J.1, or if emissions are reduced to 50 ppm by volume, whichever is less stringent. Compliance with 40 CFR 63 Subpart S satisfies this condition. [LAC 33:III.2115.A]
- Which Months: All Year Statistical Basis: None specified
- 448 Determine compliance with LAC 33:III.2115.A through G by applying the test methods specified in LAC 33:III.2115.J.1 through 5, as appropriate. Compliance with 40 CFR 63 Subpart S satisfies this condition. [LAC 33:III.2115.J]
- 449 Demonstrate compliance with LAC 33:III.2115 as requested by DEQ. Compliance with 40 CFR 63 Subpart S satisfies this condition. [LAC 33:III.2115.J.1]
- 450 Install and maintain monitors to accurately measure and record operational parameters of all required control devices as necessary to ensure the proper functioning of those devices in accordance with design specifications. Monitor and record at a minimum the parameters listed in LAC 33:III.2115.J.2.a through e. Compliance with 40 CFR 63 Subpart S satisfies this condition. [LAC 33:III.2115.J.2]
- 451 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain the records specified in LAC 33:III.2115.K.1 through K.3. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request. Compliance with 40 CFR 63 Subpart S satisfies LAC 33:III.2115.K.1 and LAC 33:III.2115.K.3. [LAC 33:III.2115.K]
- 452 Total reduced sulfur \leq 5 ppmv. [LAC 33:III.2301.D.3]
- Which Months: All Year Phases: Statistical Basis:
- 453 Shall be vented to the Lime Kiln (EQT 6, 03-78), the NCG Incinerator (EQT 25, 09-78), or HVLC Incinerator (EQT 10, 57-99). [40 CFR 60.283(a)(i) and (iii)]

EQT162 NCG-J - Condensate Stripper System

SPECIFIC REQUIREMENTS

AI ID: 328 - International Paper Co - Mansfield Mill
Activity Number: PER20050002
Permit Number: 0760-00006-V7
Air - Title V Regular Permit Major Mod

EQT162 **NCG-J - Condensate Stripper System**

- 454 Nonhalogenated hydrocarbon burning: Temperature \geq 1300 F (704 degrees C) for 0.3 second or greater in a direct-flame afterburner or an equally effective device which achieves a removal efficiency of 95 percent or greater, as determined in accordance with LAC 33:III.2115.J.1, or if emissions are reduced to 50 ppm by volume, whichever is less stringent. Compliance with 40 CFR 63 Subpart S satisfies this condition. [LAC 33:III.2115.A]
Which Months: All Year Statistical Basis: None specified
- 455 Determine compliance with LAC 33:III.2115.A through G by applying the test methods specified in LAC 33:III.2115.I.1 through 5, as appropriate. Compliance with 40 CFR 63 Subpart S satisfies this condition. [LAC 33:III.2115.I]
- 456 Demonstrate compliance with LAC 33:III.2115 as requested by DEQ. Compliance with 40 CFR 63 Subpart S satisfies this condition. [LAC 33:III.2115.J.1]
- 457 Install and maintain monitors to accurately measure and record operational parameters of all required control devices as necessary to ensure the proper functioning of those devices in accordance with design specifications. Monitor and record at a minimum the parameters listed in LAC 33:III.2115.J.2.a through e. Compliance with 40 CFR 63 Subpart S satisfies this condition. [LAC 33:III.2115.J.2]
- 458 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain the records specified in LAC 33:III.2115.K.1 through K.3. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request. Compliance with 40 CFR 63 Subpart S satisfies LAC 33:III.2115.K.1 and LAC 33:III.2115.K.3. [LAC 33:III.2115.K]
- 459 Total reduced sulfur \leq 5 ppmv. [LAC 33:III.2301.D.3]
Which Months: All Year Phases: Statistical Basis:
- 460 Shall be vented to the Lime Kiln (EQT 6, 03-78), the NCG Incinerator (EQT 25, 09-78), or HVLC Incinerator (EQT 10, 57-99). [40 CFR 60.283(a)(1)(i) and (iii)]

EQT163 **NCG-K - Turpentine Decanter**

- 461 Nonhalogenated hydrocarbon burning: Temperature \geq 1300 F (704 degrees C) for 0.3 second or greater in a direct-flame afterburner or an equally effective device which achieves a removal efficiency of 95 percent or greater, as determined in accordance with LAC 33:III.2115.J.1, or if emissions are reduced to 50 ppm by volume, whichever is less stringent. Compliance with 40 CFR 63 Subpart S satisfies this condition. [LAC 33:III.2115.A]
Which Months: All Year Statistical Basis: None specified
- 462 Determine compliance with LAC 33:III.2115.A through G by applying the test methods specified in LAC 33:III.2115.I.1 through 5, as appropriate. Compliance with 40 CFR 63 Subpart S satisfies this condition. [LAC 33:III.2115.I]
- 463 Demonstrate compliance with LAC 33:III.2115 as requested by DEQ. Compliance with 40 CFR 63 Subpart S satisfies this condition. [LAC 33:III.2115.J.1]
- 464 Install and maintain monitors to accurately measure and record operational parameters of all required control devices as necessary to ensure the proper functioning of those devices in accordance with design specifications. Monitor and record at a minimum the parameters listed in LAC 33:III.2115.J.2.a through e. Compliance with 40 CFR 63 Subpart S satisfies this condition. [LAC 33:III.2115.J.2]
- 465 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain the records specified in LAC 33:III.2115.K.1 through K.3. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request. Compliance with 40 CFR 63 Subpart S satisfies LAC 33:III.2115.K.1 and LAC 33:III.2115.K.3. [LAC 33:III.2115.K]

EQT170 **28-93i - Stripped Condensate Tank**

- 466 No additional control is determined to be BACT. [LAC 33:III.509]

EQT171 **31-93a - Primary Filtrate Tank Vent - Washer A (Vent A)**

- 467 No additional control is determined to be BACT. [LAC 33:III.509]

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EQT172 31-93b - Primary Filtrate Tank Vent - Washer A (Vent B)

468 No additional control is determined to be BACT. [LAC 33:III.509]

EQT173 31-93c - Primary Filtrate Tank Vent - Washer B (Vent A)

469 No additional control is determined to be BACT. [LAC 33:III.509]

EQT174 31-93d - Primary Filtrate Tank Vent - Washer B (Vent B)

470 No additional control is determined to be BACT. [LAC 33:III.509]

EQT175 31-93e - Secondary Filtrate Tank Vent - (Vent A)

471 No additional control is determined to be BACT. [LAC 33:III.509]

EQT176 31-93f - Secondary Filtrate Tank Vent - (Vent B)

472 No additional control is determined to be BACT. [LAC 33:III.509]

EQT177 31-93g - Semi-chemical Filtrate Tank Vent - (Vent A)

473 No additional control is determined to be BACT. [LAC 33:III.509]

EQT178 31-93h - Semi-chemical Filtrate Tank Vent - (Vent B)

474 No additional control is determined to be BACT. [LAC 33:III.509]

EQT184 32-93 - Cationic Starch Silo

475 Filter elements (bags): Equipment/operational data monitored by technically sound method once every six months or whenever visual checks indicate maintenance may be necessary. Change elements as necessary. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified

476 Filter elements (bags): Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]

477 Filter vents: Visible emissions monitored by visual inspection/determination daily only when unloading operations are in progress. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified

478 Filter vents: Visible emissions recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of visual checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]

479 Permittee shall utilize bag filters on this silo during loading operations in order to control emissions of particulate matter. [LAC 33:III.509]

EQT185 NCG-M - Intermediate and High Solids Concentrator System

SPECIFIC REQUIREMENTS

AI ID: 328 - International Paper Co - Mansfield Mill

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EQT185 **NCG-M - Intermediate and High Solids Concentrator System**

480 Nonhalogenated hydrocarbon burning: Temperature ≥ 1600 F (870 degrees C) for 0.5 second or greater in a direct-flame afterburner or an equally effective device which achieves a removal efficiency of 98 percent or greater, as determined in accordance with LAC 33:III.2115.J.1, or if emissions are reduced to 20 ppm by volume, whichever is less stringent. Compliance with 40 CFR 63 Subpart S satisfies this condition. [LAC 33:III.2115.A]

Which Months: All Year Statistical Basis: None specified

481 Determine compliance with LAC 33:III.2115.A through G by applying the test methods specified in LAC 33:III.2115.I.1 through 5, as appropriate. Compliance with 40 CFR 63 Subpart S satisfies this condition. [LAC 33:III.2115.I]

482 Demonstrate compliance with LAC 33:III.2115 as requested by DEQ. Compliance with 40 CFR 63 Subpart S satisfies this condition. [LAC 33:III.2115.J.1]

483 Install and maintain monitors to accurately measure and record operational parameters of all required control devices as necessary to ensure the proper functioning of those devices in accordance with design specifications. Monitor and record at a minimum the parameters listed in LAC 33:III.2115.J.2.a through e. Compliance with 40 CFR 63 Subpart S satisfies this condition. [LAC 33:III.2115.J.2]

484 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain the records specified in LAC 33:III.2115.K.1 through K.3. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request. Compliance with 40 CFR 63 Subpart S satisfies LAC 33:III.2115.K.1 and LAC 33:III.2115.K.3. [LAC 33:III.2115.K]

485 Total reduced sulfur ≤ 5 ppmv. [LAC 33:III.2301.D.3]

Which Months: All Year Phases: Statistical Basis:

486 Shall be vented to the Lime Kiln (EQT 6, 03-78), the NCG Incinerator (EQT 25, 09-78), or HVLC Incinerator (EQT 10, 57-99). [40 CFR 60.283(a)(i)(i) and (iii)]

EQT186 **65-05 - Clarke Fire-Water Pump**

487 Opacity ≤ 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]

Which Months: All Year Statistical Basis: Six-minute average

488 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

EQT187 **66-05 - Lime Kiln Auxiliary Engine**

489 Opacity ≤ 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]

Which Months: All Year Statistical Basis: Six-minute average

490 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

FUG001 **17-93 - Coal Storage/Handling**

491 Filter vents: Visible emissions monitored by visual inspection/determination daily. [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: None specified

492 Filter vents: Visible emissions recordkeeping by electronic or hard copy daily. Keep records of visual checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]

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FUG001 17-93 - Coal Storage/Handling

493 Filter elements (bags): Equipment/operational data monitored by technically sound method once every six months or whenever visual checks indicate maintenance may be necessary. Change elements as necessary. [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: None specified

494 Filter elements (bags): Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]

495 Permittee shall unload coal to a covered conveyor and shall locate the coal pulverizer inside of a building in order to control emissions of particulate matter. [LAC 33:III.509]

FUG002 18-93 - Ash Handling Operations

496 Permittee shall use wet suppression during loading in order to control emissions of particulate matter. [LAC 33:III.509]

FUG003 19-93 - Bark/Woodwaste/Sludge Handling

497 No additional control is determined to be BACT. [LAC 33:III.509]

FUG004 23-93 - Woodyard Grouped Source

498 Permittee shall use enclosed conveyors in order to control emissions of particulate matter. [LAC 33:III.509]

FUG005 26-93 - Haul Roads

499 Permittee shall use wet suppression using water for the haul road at a minimum rate of 2 times per 8 hour period during daylight hours (except when raining). A record shall be kept stating the time and day of each application. These records shall be kept on site and made available for inspection by DEQ personnel. [LAC 33:III.509]

FUG006 54-96 - Paint Yard

500 Permittee shall use paints and thinners with a concentration of no more than 3.0 pounds of volatile organic compounds per gallon of paint (lbs VOC/gallon) in order to control emissions of volatile organic compounds. [LAC 33:III.509]

GRP002 Paper Machines Emissions Cap

501 To demonstrate compliance with VOC emission limits of the cap, permittee shall limit maximum annual production of the mill to 1,466,489 air dry tons (ADT) of virgin pulp and 2,153,500 scale weight tons of paper. Pulp and paper production shall be monitored and recorded monthly, as well as the total production for the preceding twelve consecutive months. These records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Production in excess of the established limits during any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. A report showing the monthly pulp and paper production for the last six months, as well as the pulp and paper production for the twelve month periods which end in the preceding six month period, shall be submitted semiannually to the Office of Environmental Compliance, Enforcement Division, as an attachment to the mill's Part 70 General Condition K reports. [LAC 33:III.509]

GRP003 Pulping Condensates

SPECIFIC REQUIREMENTS

AI ID: 328 - International Paper Co - Mansfield Mill

Activity Number: PER20050002

Permit Number: 0760-00006-V7

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GRP003 Pulping Condensates

- 502 The pulping process condensates from equipment systems listed in 63.446(b)(1) - (b)(5) that in total contain a total HAP mass of 7.2 pounds or more of total HAP per ton of ODP shall be conveyed in a closed collection system that is designed and operated to meet the individual drain system requirements specified in 63.960, 63.961, and 63.962 of 40 CFR 63 Subpart RR, except for closed vent systems and control devices shall be designed and operated in accordance with 63.443(d) and 63.450, instead of in accordance with 63.693 as specified in 63.962 (a)(3)(ii), (b)(3)(ii)(A), and (b)(5)(iii). [40 CFR 63.446(c)(3) and (d)]
- 503 Recycle the pulping process condensate to an equipment system specified in 63.443(a) meeting the requirements specified in 63.443(c) and (d). [40 CFR 63.446(e)(1)]
- 504 Each enclosure shall maintain negative pressure at each enclosure or hood opening as demonstrated by the procedures specified in 63.457(e). Each enclosure or hood opening closed during the initial performance test specified in 63.457(a) shall be maintained in the same closed and sealed position as during the performance test at all times except when necessary to use the opening for sampling, inspection, maintenance, or repairs. [40 CFR 63.450(b)]
- 505 Each component of the closed-vent system that is operated at positive pressure and located prior to a control device shall be designed for and operated with no detectable leaks as indicated by an instrument reading of less than 500 parts per million by volume above background, as measured by the procedures specified in 63.457(d). [40 CFR 63.450(c)]
- 506 On each bypass line in the closed-vent system that could divert vent streams containing HAP to the atmosphere without meeting the emission limitations in 63.443, install, calibrate, maintain, and operate according to the manufacturer's specifications a flow indicator that is capable of taking periodic readings as frequently as specified in 63.454(e). The flow indicator shall be installed in the bypass line in such a way as to indicate flow in the bypass line, or for bypass line valves that are not computer controlled, maintain the bypass line valve in the closed position with a car seal or a seal placed on the valve or closure mechanism in such a way that valve or closure mechanism cannot be opened without breaking the seal. [40 CFR 63.450(d)]
- 507 A CMS shall be operated to measure the appropriate parameters determined according to the procedures specified in 63.453(m) to comply with the condensate applicability requirements specified in 63.446(c). [40 CFR 63.453(i)]
- 508 Each pulping process condensate closed collection system shall be visually inspected every 30 days and shall comply with the inspection and monitoring requirements specified in 63.964 of 40 CFR 63 Subpart RR, except comply with the recordkeeping requirements of 63.454 instead of the requirements specified in 63.964(a)(vi) and (b)(3) and the inspection and monitoring requirements for closed-vent systems and control devices specified in 63.453(a) and (k) instead of the requirements specified in 63.964(a)(2).e
- 509 Each condensate tank used in the closed collection system shall be operated with no detectable leaks as specified in 63.446(d)(2)(i) measured initially and annually by the procedures specified in 63.457(d). [40 CFR 63.453(i)]
- 510 If an inspection required by this section identifies visible defects in the closed collection system, or if an instrument reading of 500 parts per million or greater above background is measured, then corrective actions specified in 63.964(b) of 40 CFR 63 Subpart RR shall be taken. [40 CFR 63.453(i)]
- 509 For each enclosure opening, a visual inspection of the closure mechanism specified in 63.450(b) shall be performed at least once every 30 days to ensure the opening is maintained in the closed position and sealed. [40 CFR 63.453(k)(1)]
- 510 Each closed-vent system required by 63.450(a) shall be visually inspected every 30 days and at other times as requested by the Administrator. The visual inspection shall include inspection of ductwork, piping, enclosures, and connections to covers for visible evidence of defects. [40 CFR 63.453(k)(2)]
- 511 For positive pressure closed-vent systems or portions of closed-vent systems, demonstrate no detectable leaks as specified in 63.450(c) measured initially and annually by the procedures in 63.457(d). [40 CFR 63.453(k)(3)]
- 512 Demonstrate initially and annually that each enclosure opening is maintained at negative pressure as specified in 63.457(e), as applicable. [40 CFR 63.453(k)(4)]
- 513 The valve or closure mechanism specified in 63.450(d)(2) shall be inspected at least once every 30 days to ensure that the valve is maintained in the closed position and the emission point gas stream is not diverted through the bypass line. [40 CFR 63.453(k)(5)]

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GRP003 Pulpig Condensates

514 If an inspection required by 63.453(k)(1) through (k)(5) identifies visible defects in ductwork, piping, enclosures or connections to covers required by 63.450, or if an instrument reading of 500 parts per million by volume or greater above background is measured, or if enclosure openings are not maintained at negative pressure, then a first effort to repair or correct the closed-vent system shall be made as soon as practicable but no later than 5 calendar days after the problem is identified, and the repair or corrective action shall be completed no later than 15 calendar days after the problem is identified. Delay of repair or corrective action is allowed if the repair or corrective action is technically infeasible without a process unit shutdown or if the permittee determines that the emissions resulting from immediate repair would be greater than the emissions likely to result from delay of repair. Repair of such equipment shall be completed by the end of the next process unit shutdown. [40 CFR 63.453(k)(6)]

515 To establish or reestablish the value for each operating parameter required to be monitored under 63.453(i) or (l) or to establish appropriate parameters for 60.453(i), use the following procedures:

(1) During the initial performance test required in 63.457(a) or any subsequent performance test, continuously record the operating parameter;

(2) Determinations shall be based on the control performance and parameter data monitored during the performance test, supplemented if necessary by engineering assessments and the manufacturer's recommendations;;

(3) Provide for the Administrator's approval the rationale for selecting the monitoring parameters necessary to comply with 60.453(i); and

(4) Provide for the Administrator's approval the rationale for the selected operating parameter value, and monitoring frequency, and averaging time. Include all data and calculations used to develop the value and a description of why the value, monitoring frequency, and averaging time demonstrate continuous compliance with the applicable emission standard. [40 CFR 63.453(n)]

516 Comply with the recordkeeping requirements of 63.10, as shown in table 1 of Subpart S. [40 CFR 63.454(a)]

517 For each applicable enclosure opening, closed-vent system, and closed collection system, prepare and maintain a site-specific inspection plan including a drawing or schematic of the components of applicable affected equipment and record the information specified in 63.454(b)(1) - (12), as applicable, for each inspection. [40 CFR 63.454(b)]

518 Comply with the reporting requirements of subpart A of Part 63 as specified in table 1 of Subpart S. [40 CFR 63.455(a)]

GRP004 LVHC & HVLC Pulpig Vents

519 Comply with 40 CFR 63 Subpart S. Determined as MACT. [LAC 33:III.5109.A]

520 Equipment system shall be enclosed and vented into a closed-vent system and routed to a control device that meets the requirements specified in 63.443(d). The enclosures and closed-vent system shall meet the requirements specified in 63.450. [40 CFR 63.443(c)]

521 Periods of excess emissions shall not be considered a violation of 40 CFR 63.443(c) and (d), provided that the time of excess emissions (excluding periods of startup, shutdown, or malfunction) divided by the total process operating time in a semi-annual reporting period does not exceed the following levels:

1. One percent for control devices used to reduce the total HAP emissions from the LVHC system; andg

2. Four percent for control devices used to reduce the total HAP emissions from the HVLC system; and ;

3. Four percent for control devices used to reduce the total HAP emissions from both the LVHC and HVLC systems. [40 CFR 63.443(e)]

522 Each enclosure shall maintain negative pressure at each enclosure or hood opening as demonstrated by the procedures specified in 63.457(e). Each enclosure or hood opening closed during the initial performance test specified in 63.457(a) shall be maintained in the same closed and sealed position as during the performance test at all times except when necessary to use the opening for sampling, inspection, maintenance, or repairs. [40 CFR 63.450(b)]

523 Each component of the closed-vent system that is operated at positive pressure and located prior to a control device shall be designed for and operated with no detectable leaks as indicated by an instrument reading of less than 500 parts per million by volume above background, as measured by the procedures specified in 63.457(d). [40 CFR 63.450(c)]

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GRP004 LVHC & HVLC Pulping Vents

- 524 On each bypass line in the closed-vent system that could divert vent streams containing HAP to the atmosphere without meeting the emission limitations in 63.443, install, calibrate, maintain, and operate according to the manufacturer's specifications a flow indicator that is capable of taking periodic readings as frequently as specified in 63.454(e). The flow indicator shall be installed in the bypass line in such a way as to indicate flow in the bypass line, or for bypass line valves that are not computer controlled, maintain the bypass line valve in the closed position with a car seal or a seal placed on the valve or closure mechanism in such a way that valve or closure mechanism cannot be opened without breaking the seal. [40 CFR 63.450(d)]
- 525 For each enclosure opening, a visual inspection of the closure mechanism specified in 63.450(b) shall be performed at least once every 30 days to ensure the opening is maintained in the closed position and sealed. [40 CFR 63.453(k)(1)]
- 526 Each closed-vent system required by 63.450(a) shall be visually inspected every 30 days and at other times as requested by the Administrator. The visual inspection shall include inspection of ductwork, piping, enclosures, and connections to covers for visible evidence of defects. [40 CFR 63.453(k)(2)]
- 527 For positive pressure closed-vent systems or portions of closed-vent systems, demonstrate no detectable leaks as specified in 63.450(c) measured initially and annually by the procedures in 63.457(d). [40 CFR 63.453(k)(3)]
- 528 Demonstrate initially and annually that each enclosure opening is maintained at negative pressure as specified in 63.457(e), as applicable. [40 CFR 63.453(k)(4)]
- 529 The valve or closure mechanism specified in 63.450(d)(2) shall be inspected at least once every 30 days to ensure that the valve is maintained in the closed position and the emission point gas stream is not diverted through the bypass line. [40 CFR 63.453(k)(5)]
- 530 If an inspection required by 63.453(k)(1) through (k)(5) identifies visible defects in ductwork, piping, enclosures or connections to covers required by 63.450, or if an instrument reading of 500 parts per million by volume or greater above background is measured, or if enclosure openings are not maintained at negative pressure, then a first effort to repair or correct the closed-vent system shall be made as soon as practicable but no later than 5 calendar days after the problem is identified, and the repair or corrective action shall be completed no later than 15 calendar days after the problem is identified. Delay of repair or corrective action is allowed if the repair or corrective action is technically infeasible without a process unit shutdown or if the permittee determines that the emissions resulting from immediate repair would be greater than the emissions likely to result from delay of repair. Repair of such equipment shall be completed by the end of the next process unit shutdown. [40 CFR 63.453(k)(6)]
- 531 Comply with the recordkeeping requirements of 63.10, as shown in table 1 of Subpart S. [40 CFR 63.454(a)]
- 532 For each applicable enclosure opening, closed-vent system, and closed collection system, prepare and maintain a site-specific inspection plan including a drawing or schematic of the components of applicable affected equipment and record the information specified in 63.454(b)(1) - (12), as applicable, for each inspection. [40 CFR 63.454(b)]
- 533 Comply with the reporting requirements of subpart A of Part 63 as specified in table 1 of Subpart S. [40 CFR 63.455(a)]

GRP005 Sources exempt from LAC 33:III.2115 subject to recordkeeping

- 534 Equipment/operational data recordkeeping by electronic or hard copy as needed. Maintain records to demonstrate that the criteria are being met for any exemption claimed. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request. [LAC 33:III.2115.K]

GRP006 Power Boilers

- 535 Permittee shall not fire more than 87,600 tons per year of tire derived fuel (TDF) on a 12-month rolling average basis and shall limit heat input from crosstie derived fuel (CDF) or bagasse to 720 MM BTU/hr. Permittee shall verify the content of crosstie derived fuel (CDF) to contain only creosote treated crosstie chips. CDF fuel used must be pentachlorophenol and chromated copper arsenate (CCA) free. [LAC 33:III.501.C.6]
- 536 Permittee shall continuously monitor sulfur dioxide (SO₂) and nitrogen oxides (NO_x) in the flue gases. The continuous SO₂ and NO_x monitors shall conform to the requirements of 40 CFR 60, Appendix B, Performance Specifications and Specification Test Procedures for Monitors of SO₂ and NO_x from Stationary Sources. Records shall be kept and data reported in accordance with applicable provisions of 40 CFR 60. [LAC 33:III.509]

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GRP007 Entire Facility

- 537 Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.111 or intensify an existing traffic hazard condition are prohibited. [LAC 33:III.1103.B]
- 538 Outdoor burning of waste material or other combustible material is prohibited. [LAC 33:III.1109.B]
- 539 Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited. [LAC 33:III.1303.B]
- 540 Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.A.1-5. [LAC 33:III.2113.A]
- 541 Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance. [LAC 33:III.2119]
- 542 Discharges of odorous substances at or beyond property lines which cause a perceived odor intensity of six or greater on the specified eight point butanol scale as determined by Method 41 of LAC 33:III.2901.G are prohibited. [LAC 33:III.2901.D]
- 543 If requested to monitor for odor intensity, take and transport samples in a manner which minimizes alteration of the samples either by contamination or loss of material. Evaluate all samples as soon after collection as possible in accordance with the procedures set forth in LAC 33:III.2901.G. [LAC 33:III.2901.F]
- 544 Submit permit application: Due prior to construction, reconstruction or modification unless otherwise provided in LAC 33:III.Chapter 5. Submit a timely and complete permit application to the Office of Environmental Services, Permits Division as required in accordance with the procedures in LAC 33:III.Chapter 5. [LAC 33:III.501.C.1]
- 545 1,2-Dichloropropane \leq 0.06 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 546 1,3-Butadiene $<$ 0.01 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 547 2,2,4-Trimethylpentane $<$ 0.01 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 548 2,3,7,8-Tetrachlorodibenzo-p-Dioxin $<$ 0.0001 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 549 Acetaldehyde \leq 58.69 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 550 Acetophenone \leq 0.10 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 551 Acrolein \leq 4.69 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 552 Benzene \leq 4.37 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 553 Biphenyl $<$ 0.01 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 554 Carbon disulfide \leq 1.03 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 555 Carbon monoxide \leq 9270.47 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

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GRP007 Entire Facility

- 556 Chlorinated dibenzofurans < 0.0001 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 557 Chlorinated Dibenzo-P-Dioxins < 0.0001 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 558 Chlorobenzene < 0.01 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 559 Chloroform <= 0.38 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 560 Chromium <= 6.4 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 561 Chromium VI (and compounds) <= 0.05 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 562 Cresol < 0.01 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 563 Cumene <= 4.16 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 564 Formaldehyde <= 33.37 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 565 Hydrogen sulfide <= 124.84 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 566 Hydroquinone <= 0.05 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 567 Methanol <= 2976.69 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 568 Methyl ethyl ketone <= 18.80 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 569 Methyl isobutyl ketone <= 1.35 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 570 Nitrogen oxides <= 6228.37 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 571 Particulate matter (10 microns or less) <= 1392.05 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 572 Propionaldehyde <= 0.22 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 573 Styrene <= 3.64 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 574 Sulfur dioxide <= 8859.84 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 575 Toluene <= 6.26 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

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Activity Number: PER20050002

Permit Number: 0760-00006-V7

Air - Title V Regular Permit Major Mod

GRP007 Entire Facility

- 576 Total reduced sulfur <= 225.66 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 577 Trichloroethylene <= 0.14 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 578 Triethyl amine <= 0.01 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 579 VOC, Total <= 5175.84 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 580 Xylene (mixed isomers) <= 4.82 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 581 Hydrofluoric acid <= 34.06 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 582 Antimony (and compounds) <= 0.22 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 583 Arsenic (and compounds) <= 0.10 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 584 Barium (and compounds) <= 45.27 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 585 Beryllium (Table 51.1) <= 0.62 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 586 Cadmium (and compounds) <= 0.04 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 587 Cobalt compounds <= 1.28 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 588 Copper (and compounds) <= 2.63 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 589 Lead compounds <= 0.42 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 590 Manganese (and compounds) <= 36.87 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 591 Mercury (and compounds) <= 0.16 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 592 Nickel (and compounds) <= 3.49 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 593 Selenium (and compounds) <= 0.31 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 594 Zinc (and compounds) <= 30.21 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 595 1,1,1-Trichloroethane <= 1.88 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

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- 596 1,1,1,2-Trichloroethane <= 0.03 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 597 1,2,4-Trichlorobenzene <= 6.2 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 598 Ammonia <= 178.27 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 599 Chlorine <= 0.38 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 600 Dichloromethane <= 180.14 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 601 Ethyl benzene <= 0.39 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 602 Ethylene oxide <= 0.001 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 603 Glycol ethers (Table 51.1) <= 1.80 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 604 Hydrochloric acid <= 318.40 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 605 Methyl chloride <= 0.24 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 606 n-Hexane <= 6.01 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 607 Phenol <= 0.98 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 608 Polycyclic Organic Matter (POM) <= 55.65 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 609 Polynuclear Aromatic Hydrocarbons <= 0.79 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 610 Sulfuric acid <= 134.21 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 611 Tetrachloroethylene <= 0.36 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 612 Naphthalene (and Methyl naphthalenes) <= 55.14 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

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- 613 No Part 70 source may operate after the time that the owner or operator of such source is required to submit a permit application under Subsection C of this Section, unless an application has been submitted by the submittal deadline and such application provides information addressing all applicable sections of the application form and has been certified as complete in accordance with LAC 33:III.517.B.1. No Part 70 source may operate after the deadline provided for supplying additional information requested by the permitting authority under LAC 33:III.519, unless such additional information has been submitted within the time specified by the permitting authority. Permits issued to the Part 70 source under this Section shall include the elements required by 40 CFR 70.6. The Louisiana Department of Environmental Quality hereby adopts and incorporates by reference the provisions of 40 CFR 70.6(a), as in effect on July 21, 1992. Upon issuance of the permit, the Part 70 source shall be operated in compliance with all terms and conditions of the permit. Noncompliance with any federally applicable term or condition of the permit shall constitute a violation of the Clean Air Act and shall be grounds for enforcement action; for permit termination, revocation and reissuance, or revision; or for denial of a permit renewal application. [LAC 33:III.507.B.2]
- 614 Any permit application to renew an existing permit shall be submitted at least six months prior to the date of permit expiration, or at such earlier time as may be required by the existing permit or approved by the permitting authority. In no event shall the application for permit renewal be submitted more than 18 months before the date of permit expiration. [LAC 33:III.507.E.4]
- 615 No major stationary source or major modification to which the requirements of this Part apply shall begin actual construction without a permit issued under this Section. [LAC 33:III.509.I.1]
- 616 A major stationary source or major modification shall meet each applicable emissions limitation under the Louisiana State Implementation Plan and each applicable emissions standard and standard of performance under the Louisiana New Source Performance Standards (LNSPS) and Louisiana Emission Standards for Hazardous Air Pollutants (LESHP) and Sections 111 and 112 of the Clean Air Act. [LAC 33:III.509.J.1]
- 617 A new major stationary source shall apply best available control technology for each pollutant subject to regulation under this Section that it would have the potential to emit in significant amounts. [LAC 33:III.509.J.2]
- 618 A major modification shall apply best available control technology for each pollutant subject to regulation under this Section which would result in a significant net emissions increase at the source. This requirement applies to each proposed emissions unit at which a net emissions increase in the pollutant would occur as a result of a physical change or change in the method of operation in the unit. [LAC 33:III.509.J.3]
- 619 For phased construction projects, the determination of best available control technology shall be reviewed and modified as appropriate at the latest reasonable time which occurs no later than 18 months prior to commencement of construction of each independent phase of the project. At such time, the owner or operator of the applicable stationary source may be required to demonstrate the adequacy of any previous determination of best available control technology for the source. [LAC 33:III.509.J.4]
- 620 Do not construct or modify any stationary source subject to any standard set forth in LAC 33:III.Chapter 51.Subchapter A without first obtaining written authorization from D in accordance with LAC 33:III.Chapter 51.Subchapter A, after the effective date of the standard. [LAC 33:III.5105.A.1]
- 621 Do not cause a violation of any ambient air standard listed in LAC 33:III.Table 51.2, unless operating in accordance with LAC 33:III.5109. [LAC 33:III.5105.A.2]
- 622 Do not build, erect, install, or use any article, machine, equipment, process, or method, the use of which conceals an emission that would otherwise constitute a violation of an applicable standard. [LAC 33:III.5105.A.3]
- 623 Do not fail to keep records, notify, report or revise reports as required under LAC 33:III.Chapter 51.Subchapter A. [LAC 33:III.5105.A.4]
- 624 Submit Annual Emissions Report (TEDI): Due annually, by the 1st of July, to the Office of Environmental Assessment, Environmental Evaluation Division in a form specified by the department. Identify the quantity of emissions in the previous calendar year for any toxic air pollutant listed in Table 51.1 or Table 51.3. [LAC 33:III.5107.A.2]
- 625 Include a certification statement with initial and subsequent annual emission reports and revisions to any emission report to attest that the information contained in the emission report is true, accurate, and complete, and signed by a responsible official, as defined in LAC 33:III.502. Include the full name of the responsible official, title, signature, date of signature and phone number of the responsible official. The certification statement shall read: "I certify, under penalty of perjury, that the emissions data provided is accurate to the best of my knowledge, information, and belief, and I understand that submitting false or misleading information will expose me to prosecution under state regulations." [LAC 33:III.5107.A.3]

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- 626 Submit notification: Due to the Department of Public Safety 24-hour Louisiana Emergency Hazardous Materials Hotline at (225) 925-6595 immediately, but no later than 1 hour, after any discharge of a toxic air pollutant into the atmosphere which results or threatens to result in an emergency condition (a condition which could reasonably be expected to endanger the health and safety of the public, cause significant adverse impact to the land, water or air environment, or cause severe damage to property). [LAC 33:III.5107.B.1]
- 627 Submit notification: Due to the Office of Environmental Compliance no later than 24 hours after the beginning of any unauthorized discharge into the atmosphere of a toxic air pollutant as a result of bypassing an emission control device, where the emission control bypass was not the result of an upset, except as provided in LAC 33:III.5107.B.6. Notify by telephone at (225) 763-3908 during office hours, (225) 342-1234 after hours, weekends, and holidays, or by email utilizing the Incident Report Form and procedures found at www.deq.state.la.us/surveillance. [LAC 33:III.5107.B.2]
- 628 Submit notification: Due to the Office of Environmental Compliance immediately, but in no case later than 24 hours after any unauthorized discharge of a toxic air pollutant into the atmosphere which does not cause an emergency condition, the rate or quantity of which is in excess of that allowed by permit, compliance schedule, or variance, or for upset events that exceed the reportable quantity in LAC 33:I.3931, except as provided in LAC 33:III.5107.B.6. Notify by telephone at (225) 763-3908 during office hours, (225) 342-1234 after hours, weekends, and holidays, or by email utilizing the Incident Report Form and procedures found at www.deq.state.la.us/surveillance. [LAC 33:III.5107.B.3]
- 629 Submit written report: Due within seven calendar days of learning of any such discharge or equipment bypass as referred to in LAC 33:III.5107.B.1 through 3. Submit report to the Office of Environmental Compliance by certified mail. Include the information specified in LAC 33:III.5107.B.4.a.i through viii. [LAC 33:III.5107.B.4]
- 630 Report all discharges to the atmosphere of a toxic air pollutant from a safety relief device, a line or vessel rupture, a sudden equipment failure, or a bypass of an emission control device, regardless of quantity, in the annual emissions report and where otherwise specified. Include the identity of the source, the date and time of the discharge, and the approximate total loss during the discharge. [LAC 33:III.5107.B.5]
- 631 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. [LAC 33:III.5109.A]
- 632 Achieve compliance with ambient air standards unless it can be demonstrated to the satisfaction of DEQ that compliance with an ambient air standard would be economically infeasible; that emissions could not reasonably be expected to pose a threat to public health or the environment; and that emissions would be controlled to a level that is Maximum Achievable Control Technology. [LAC 33:III.5109.B.3]
- 633 Develop a standard operating procedure (SOP) within 120 days after achieving or demonstrating compliance with the standards specified in LAC 33:III.Chapter 51. Detail in the SOP all operating procedures or parameters established to ensure that compliance with the applicable standards is maintained and address operating procedures for any monitoring system in place, specifying procedures to ensure compliance with LAC 33:III.5113.C.5. Make a written copy of the SOP available on site or at an alternate approved location for inspection by DEQ. Provide a copy of the SOP within 30 days upon request by the department. [LAC 33:III.5109.C]
- 634 Submit notification: Due to the permitting authority prior to the initiation of any project which will result in emission reductions. Include in the notification a description of the proposed action, a location map, a description of the composition of air contaminants involved, the rate and temperature of the emissions, the identity of the sources involved and the change in emissions. Make any appropriate permit revision reflecting the emission reduction no later than 180 days after commencement of operation and in accordance with the procedures of LAC 33:III.Chapter 5. [LAC 33:III.5111]
- 635 Obtain a permit modification in accordance with LAC 33:III.5111.B and C before commencement of any modification not specified in a compliance plan submitted under LAC 33:III.5109.D, if the modification will result in an increase in emissions of any toxic air pollutant or will create a new point source. [LAC 33:III.5111.A.2.a]
- 636 Do not commence construction or modification of any major source without first obtaining written authorization from DEQ, as specified. [LAC 33:III.5111.A]
- 637 Ensure that all testing done to determine the emission of toxic air pollutants, upon request by the department, is conducted by qualified personnel. [LAC 33:III.5113.B.1]
- 638 Submit test results: Due in writing to the Office of Environmental Assessment, Environmental Technology Division within 45 days after completion of the test. Submit test results signed by the person responsible for the test. [LAC 33:III.5113.B.1]
- 639 Conduct emission tests as set forth in accordance with Test Methods of 40 CFR, parts 60, 61, and 63 or in accordance with alternative test methods approved by DEQ. [LAC 33:III.5113.B.2]

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- 640 Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants, upon request of the department. [LAC 33:III.5113.B.3]
- 641 Provide emission testing facilities as specified in LAC 33:III.5113.B.4 through e. [LAC 33:III.5113.B.4]
- 642 Analyze samples and determine emissions within 30 days after each emission test has been completed. [LAC 33:III.5113.B.5]
- 643 Submit certified letter: Due to the Office of Environmental Assessment, Environmental Technology Division before the close of business on the 45th day following the completion of the emission test. Report the determinations of the emission test. [LAC 33:III.5113.B.5]
- 644 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ. [LAC 33:III.5113.B.6]
- 645 Submit notification: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test. [LAC 33:III.5113.B.7]
- 646 Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence. [LAC 33:III.5113.C.1]
- 647 Conduct performance evaluation of the monitoring system when required at any other time requested by DEQ. [LAC 33:III.5113.C.2]
- 648 Submit performance evaluation report: Due to the Office of Environmental Assessment, Environmental Technology Division within 60 days of the monitoring system performance evaluation. [LAC 33:III.5113.C.2]
- 649 Submit notification in writing: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before a performance evaluation of the monitoring system is to begin. [LAC 33:III.5113.C.2]
- 650 Install a monitoring system on each effluent or on the combined effluent, when monitoring is required and the effluents from a single source, or from two or more sources subject to the same emission standards, are combined before being released to the atmosphere. If two or more sources are not subject to the same emission standards, install a separate monitoring system on each effluent, unless otherwise specified. If the applicable standard is a mass emission standard and the effluent from one source is released to the atmosphere through more than one point, install a monitoring system at each emission point unless DEQ approves the installation of fewer systems. [LAC 33:III.5113.C.3]
- 651 Evaluate the performance of continuous monitoring systems, upon request by DEQ, in accordance with the requirements and procedures contained in the applicable performance specification of 40 CFR Part 60, appendix B. [LAC 33:III.5113.C.5.a]
- 652 Submit report: Due to DEQ within 60 days of the performance evaluation of the CMS, if requested. Furnish DEQ with two or more copies of a written report of the test results within 60 days. [LAC 33:III.5113.C.5.a]
- 653 Install all continuous monitoring systems or monitoring devices to make representative measurements under variable process or operating parameters, if required to install a CMS. [LAC 33:III.5113.C.5.d]
- 654 Collect and reduce all data as specified in LAC 33:III.5113.C.5.e.i and ii, if required to install a CMS. [LAC 33:III.5113.C.5.e]
- 655 Submit plan: Due to the Office of Environmental Assessment, Environmental Technology Division within 90 days after DEQ requests either the initial plan or an updated plan, if required by DEQ to install a continuous monitoring system. Submit for approval a plan describing the affected sources and the methods for ensuring compliance with the continuous monitoring system. [LAC 33:III.5113.C.5]
- 656 Maintain records of monitoring data, monitoring system calibration checks, and the occurrence and duration of any period during which the monitoring system is malfunctioning or inoperative. Maintain these records at the source, or at an alternate location approved by DEQ, for a minimum of three years and make available, upon request, for inspection by DEQ. [LAC 33:III.5113.C.7]
- 657 An individual or company contracted to perform a demolition or renovation activity which disturbs RACM must be recognized by the Licensing Board for Contractors to perform asbestos abatement, and shall meet the requirements of LAC 33:III.5151.F.2 and F.3 for each demolition or renovation activity. [LAC 33:III.5151.F.1.f]

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- 658 Submit permit application: Due prior to commencement of construction, reconstruction, or modification of the source, for new or modified sources. Do not commence construction, reconstruction, or modification of any source required to be permitted under LAC 33:III.517.A.1] Chapter 5 prior to approval by the permitting authority. [LAC 33:III.517.A.1]
- 659 Any application form, report, or compliance certification submitted under this Chapter shall contain certification by a responsible official of truth, accuracy, and completeness. *The certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information contained in the application are true, accurate, and complete.* [LAC 33:III.517.B.1]
- 660 Submit supplementary facts or corrected information: Due promptly upon becoming aware of failure to submit or incorrect submittal regarding permit applications. In addition provide information as necessary to address any requirements that become applicable to the source after the date of filing a complete application but prior to release of a proposed permit. [LAC 33:III.517.C]
- 661 Submit applications for permits in accordance with forms and guidance provided by the DEQ. At a minimum, each permit application submitted under LAC 33:III.517.D shall contain the information specified in LAC 33:III.517.D, subparagraphs 1-18. [LAC 33:III.517.D]
- 662 In addition to those elements listed under LAC 33:III.517.D, include in each application pertaining to a Part 70 source the information specified in LAC 33:III.517.E, Subparagraphs 1-8. [LAC 33:III.517.E]
- 663 Submit notification: Due within 90 days after any change in ownership of the source. Provide the notification in accordance with forms or guidance from the permitting authority and in accordance with requirements of LAC 33:III.517.G] [LAC 33:III.517.G]
- 664 Submit permit modification application: Due within 45 days of obtaining relevant test results. The permit modification or amendment shall include all information necessary to process the request, and is required if testing demonstrates that the terms and conditions of the existing permit are inappropriate or inaccurate. [LAC 33:III.523.A]
- 665 Submit application for temporary exemption for testing: Due prior to test initiation. Submit the information specified in LAC 33:III.523.B.2] (with the exception of the data being measured in the test). Conduct testing for the minimum duration consistent with obtaining valid results. [LAC 33:III.523.B.2]
- 666 Submit test results: Due within 30 days of test completion to the administrative authority. The report details the conditions that were found to exist during a temporary exemption for testing. State if there is to be no permanent change in emissions from pretest conditions. [LAC 33:III.523.B.3]
- 667 Activate the preplanned abatement strategy listed in LAC 33:III.561.1 Table 5 when the administrative authority declares an Air Pollution Alert. [LAC 33:III.5609.A.1.b]
- 668 Activate the preplanned abatement strategy listed in LAC 33:III.561.1 Table 6 when the administrative authority declares an Air Pollution Warning. [LAC 33:III.5609.A.2.b]
- 669 Activate the preplanned abatement strategy listed in LAC 33:III.561.1 Table 7 when the administrative authority declares an Air Pollution Emergency. [LAC 33:III.5609.A.3.b]
- 670 Prepare standby plans for the reduction of emissions during periods of Air Pollution Alert, Air Pollution Warning and Air Pollution Emergency. Design standby plans to reduce or eliminate emissions in accordance with the objectives as set forth in LAC 33:III.561.1 Tables 5, 6, and 7. [LAC 33:III.5609.A]
- 671 Install air pollution control facilities whenever practically, economically, and technologically feasible. When facilities have been installed on a property, use them and diligently maintain them in proper working order whenever any emissions are being made which can be controlled by the facilities, even though the ambient air quality standards in affected areas are not exceeded. [LAC 33:III.905]
- 672 Submit Emission Inventory (EI)/Annual Emissions Statement: Due annually, by the 31st of March for the period January 1 to December 31 of the previous year. Submit emission inventory data in the format specified by the Office of Environmental Assessment, Environmental Evaluation Division. Include all data applicable to the emissions source(s), as specified in LAC 33:III.919.A-D. [LAC 33:III.919.D]
- 673 All affected facilities shall comply with all applicable provisions in 40 CFR 60 Subpart A. [40 CFR 60]
- 674 Provide DEQ with written notice of intention to demolish or renovate. Delivery of the notice by U.S. Postal Service, commercial delivery service, or hand delivery is acceptable. [40 CFR 61.145(b)(1)]
- 675 Do not install or reinstall on a facility component any insulating materials that contain commercial asbestos if the materials are either molded and friable or wet-applied and friable after drying. Subpart M. [40 CFR 61.148]
- 676 All affected facilities shall comply with all applicable provisions in 40 CFR 61 Subpart A. [40 CFR 61]

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- 677 Permittee shall comply with all applicable regulations of 40 CFR 63 Subpart DDDDD by no later than September 13, 2007. [40 CFR 63.7495(b)]
- 678 All affected facilities shall comply with all applicable provisions in 40 CFR 63 Subpart A. [40 CFR 63]
- 679 Comply. [40 CFR 70]

GRP008 Coal Firing Scenario for Power Boilers

- 680 Carbon monoxide ≤ 0.2 lb/MMBTU when firing coal. [LAC 33:III.509]
Which Months: All Year Statistical Basis: Hourly maximum
- 681 Nitrogen oxides ≤ 0.70 lb/MMBTU when firing coal. [LAC 33:III.509]
Which Months: All Year Statistical Basis: Hourly maximum
- 682 Particulate matter (10 microns or less) ≤ 0.10 lb/MMBTU when firing coal. [LAC 33:III.509]
Which Months: All Year Statistical Basis: Hourly maximum
- 683 Sulfur dioxide ≤ 1.2 lb/MMBTU when firing coal. [LAC 33:III.509]
Which Months: All Year Statistical Basis: Hourly maximum
- 684 Fuel rate ≤ 645 MM BTU/hr when firing coal. [LAC 33:III.509]
Which Months: All Year Statistical Basis: Hourly maximum

GRP009 Fuel Oil Firing Scenario for Power Boilers

- 685 Carbon monoxide ≤ 0.036 lb/MMBTU when firing fuel oil. [LAC 33:III.509]
Which Months: All Year Statistical Basis: Hourly maximum
- 686 Nitrogen oxides ≤ 0.30 lb/MMBTU. [LAC 33:III.509]
Which Months: All Year Statistical Basis: Hourly maximum
- 687 Sulfur dioxide ≤ 0.80 lb/MMBTU when firing fuel oil. [LAC 33:III.509]
Which Months: All Year Statistical Basis: Hourly maximum
- 688 Particulate matter (10 microns or less) ≤ 0.10 lb/MMBTU when firing fuel oil. [LAC 33:III.509]
Which Months: All Year Statistical Basis: Hourly maximum

GRP010 Combined Firing Scenario for Power Boilers

- 689 Particulate matter (10 microns or less) ≤ 0.10 lb/MMBTU when firing coal and/or fuel oil in combination with woodwaste. [LAC 33:III.509]
Which Months: All Year Statistical Basis: Hourly maximum
- 690 Sulfur dioxide: When simultaneously firing multiple fuels, permittee shall determine the emission limit, in lb of SO₂/MM BTU of heat input, according to the following formula:

$$\text{Limit} = (1.2a + 0.8b)/(a+b)$$

Where:

a = percentage of total heat input derived from coal

b = percentage of total heat input derived from oil. [LAC 33:III.509]

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GRP010 Combined Firing Scenario for Power Boilers

691 Nitrogen oxides: When simultaneously firing multiple fuels, permittee shall determine the emission limit, in lb of NOx/MM BTU of heat input, according to the following formula:

Limit = $(0.6c + 0.2g + 0.3f + 0.70w)/(c + g + f + w)$ l

Where

c = total heat input derived from lignite coal

g = total heat input derived from gas

f = total heat input derived from fuel oil

w = total heat input derived from solid fossil fuel (except lignite). [LAC 33:III.509]

692 Carbon monoxide: When simultaneously firing multiple fuels, permittee shall determine the emission limit, in lb of CO/hr, according to the following formula:

Limit = $KW + 5X + 210Y + 26Z$

Where

K = 0.033 when wood is burned with other fuels

= 0.44 for gas, oil, and coal fired (without wood residue)

W = the amount of gas burned in thousands of cubic feet per hour

X = the amount of coal burned in tons per hour

Y = the amount of oil burned in thousands of barrels per hour

Z = the amount of wood residue burned in tons per hour. [LAC 33:III.509]